

R 400.20608

Source: 1983 AACS.

R 400.20609

Source: 1983 AACS.

R 400.20610

Source: 1983 AACS.

R 400.20611

Source: 1983 AACS.

R 400.20612

Source: 1983 AACS.

R 400.20613

Source: 1983 AACS.

R 400.20614

Source: 1983 AACS.

R 400.20615

Source: 1983 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF WORKERS' DISABILITY COMPENSATION

GENERAL RULES

PART 1. RECORDS

R 408.31

Source: 1998-2000 AACS.

R 408.31a

Source: 1998-2000 AACS.

R 408.32

Source: 1998-2000 AACS.

R 408.32a

Source: 1998-2000 AACS.

R 408.33

Source: 1998-2000 AACS.

PART 2. HEARINGS

R 408.34

Source: 1998-2000 AACS.

R 408.35

Source: 1998-2000 AACS.

R 408.36

Source: 1984 AACS.

R 408.37
Source: 1998-2000 AACS.

R 408.38
Source: 1998-2000 AACS.

R 408.39
Source: 1998-2000 AACS.

R 408.40
Source: 1998-2000 AACS.

R 408.40a
Source: 1998-2000 AACS.

R 408.40b
Source: 1998-2000 AACS.

R 408.40c
Source: 1998-2000 AACS.

R 408.40d
Source: 1998-2000 AACS.

R 408.40e
Source: 1998-2000 AACS.

R 408.40f
Source: 1998-2000 AACS.

R 408.40g
Source: 1998-2000 AACS.

R 408.40h
Source: 1998-2000 AACS.

PART 3. INSURANCE

R 408.41b
Source: 1998-2000 AACS.

R 408.41c
Source: 1998-2000 AACS.

R 408.42
Source: 1998-2000 AACS.

R 408.42a
Source: 1998-2000 AACS.

R 408.42b
Source: 1998-2000 AACS.

R 408.43
Source: 1998-2000 AACS.

R 408.43a
Source: 1998-2000 AACS.

R 408.43b
Source: 1998-2000 AACS.

R 408.43c
Source: 1998-2000 AACS.

R 408.43i
Source: 2003 AACS.

R 408.43k
Source: 1998-2000 AACS.

R 408.43m
Source: 1998-2000 AACS.

R 408.43n
Source: 1998-2000 AACS.

R 408.43q
Source: 1998-2000 AACS.

R 408.43s
Source: 2003 AACS.

PART 4. MISCELLANEOUS

R 408.44
Source: 1998-2000 AACS.

R 408.45
Source: 1998-2000 AACS.

R 408.46
Source: 1998-2000 AACS.

R 408.48
Source: 1985 AACS.

PART 5. REVIEW AND APPEAL

R 408.49
Source: 1998-2000 AACS.

R 408.50
Source: 1998-2000 AACS.

R 408.51
Source: 1998-2000 AACS.

R 408.52
Source: 1998-2000 AACS.

PART 6. DEFINITIONS

R 408.59

Source: 1984 AACS.

**SKI AREA SAFETY BOARD
GENERAL RULES**

R 408.61
Source: 1998-2000 AACS.

R 408.65
Source: 1998-2000 AACS.

R 408.66
Source: 1997 AACS.

R 408.68
Source: 1997 AACS.

R 408.69
Source: 1997 AACS.

R 408.70
Source: 1998-2000 AACS.

R 408.71
Source: 1997 AACS.

R 408.75
Source: 1998-2000 AACS.

R 408.76
Source: 1998-2000 AACS.

R 408.77
Source: 1998-2000 AACS.

R 408.78
Source: 1998-2000 AACS.

R 408.79
Source: 1989 AACS.

R 408.80
Source: 1998-2000 AACS.

R 408.81
Source: 1998-2000 AACS.

R 408.82
Source: 1998-2000 AACS.

R 408.83
Source: 1989 AACS.

R 408.90
Source: 1989 AACS.

R 408.91

Source: 1997 AACS.

R 408.92

Source: 1989 AACS.

R 408.97

Source: 1997 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

OCCUPATIONAL HEALTH STANDARDS COMMISSION

MINE SAFETY

Rule 408.121

Source: 1998-2000 AACS.

Rule 408.122

Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

OCCUPATIONAL HEALTH STANDARDS COMMISSION

ABANDONED AND IDLE MINES

R 408.171

Source: 1998-2000 AACS.

R 408.172

Source: 1998-2000 AACS.

R 408.174

Source: 1998-2000 AACS.

R 480.175

Source: 1998-2000 AACS.

R 408.176

Source: 1998-2000 AACS.

R 408.177

Source: 1998-2000 AACS.

R 408.178

Source: 1998-2000 AACS.

R 408.179

Source: 1998-2000 AACS.

R 408.180

Source: 1998-2000 AACS.

BUREAU OF SAFETY AND REGULATION

EMPLOYMENT OF MINORS

R 408.201
Source: 1997 AACS.

R 408.202
Source: 1997 AACS.

R 408.203
Source: 1997 AACS.

R 408.204
Source: 1997 AACS.

R 408.205
Source: 1997 AACS.

R 408.206
Source: 1997 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

OCCUPATIONAL HEALTH STANDARDS COMMISSION

OXYGEN SUPPLY EQUIPMENT

R 408.491
Source: 1998-2000 AACS.

R 408.492
Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

OCCUPATIONAL HEALTH STANDARDS COMMISSION

HEARINGS

R 408.501
Source: 1998-2000 AACS.

R 408.502
Source: 1998-2000 AACS.

R 408.503
Source: 1998-2000 AACS.

R 408.504
Source: 1998-2000 AACS.

R 408.505
Source: 1998-2000 AACS.

R 408.506
Source: 1998-2000 AACS.

BUREAU OF EMPLOYMENT STANDARDS

GENERAL RULES

PART 1. GENERAL PROVISIONS

R 408.701
Source: 1998-2000 AACS.

R 408.702
Source: 1998-2000 AACS.

R 408.703
Source: 1998-2000 AACS.

R 408.704
Source: 1998-2000 AACS.

R 408.705
Source: 1998-2000 AACS.

R 408.706
Source: 1998-2000 AACS.

PART 2. OVERTIME COMPENSATION

R 408.721
Source: 1998-2000 AACS.

R 408.722
Source: 1998-2000 AACS.

R 408.723
Source: 1998-2000 AACS.

R 408.724
Source: 1998-2000 AACS.

R 408.725
Source: 1998-2000 AACS.

R 408.726
Source: 1998-2000 AACS.

R 408.727
Source: 1998-2000 AACS.

R 408.728
Source: 1998-2000 AACS.

R 408.729
Source: 1998-2000 AACS.

R 408.730
Source: 1998-2000 AACS.

R 408.731
Source: 1997 AACS.

R 408.732
Source: 1997 AACS.

R 408.733
Source: 1998-2000 AACS.

R 408.734
Source: 1998-2000 AACS.

R 408.735
Source: 1998-2000 AACS.

DIRECTOR OF LABOR AND WAGE DEVIATION BOARD
CERTIFICATES FOR SHELTERED WORKSHOPS AND
EMPLOYMENT OF HANDICAPPED WORKERS

R 408.751
Source: 1997 AACS.

R 408.752
Source: 1997 AACS.

R 408.753
Source: 1997 AACS.

R 408.754
Source: 1997 AACS.

R 408.755
Source: 1997 AACS.

R 408.756
Source: 1997 AACS.

R 408.757
Source: 1997 AACS.

R 408.758
Source: 1997 AACS.

R 408.759
Source: 1997 AACS.

R 408.760
Source: 1997 AACS.

R 408.761
Source: 1997 AACS.

R 408.762
Source: 1997 AACS.

R 408.763
Source: 1997 AACS.

R 408.764
Source: 1997 AACS.

BUREAU OF EMPLOYMENT STANDARDS
WAGE DEVIATION

R 408.771
Source: 1983 AACS.

R 408.772
Source: 1983 AACS.

R 408.773
Source: 1983 AACS.

R 408.774
Source: 1983 AACS.

R 408.775
Source: 1983 AACS.

R 408.776
Source: 1983 AACS.

R 408.777
Source: 1983 AACS.

R 408.778
Source: 1983 AACS.

R 408.779
Source: 1983 AACS.

R 408.780
Source: 1983 AACS.

R 408.781
Source: 1983 AACS.

R 408.782
Source: 1983 AACS.

R 408.783
Source: 1983 AACS.

R 408.784
Source: 1983 AACS.

R 408.785
Source: 1983 AACS.

R 408.786
Source: 1983 AACS.

R 408.787
Source: 1983 AACS.

DIRECTOR'S OFFICE
CARNIVAL AND AMUSEMENT RIDES

PART 1. GENERAL PROVISIONS

R 408.801
Source: 2003 AACS.

R 408.802
Source: 2003 AACS.

R 408.803
Source: 2003 AACS.

R 408.805
Source: 1997 AACS.

R 408.806
Source: 2003 AACS.

R 408.807
Source: 1997 AACS.

R 408.809
Source: 1997 AACS.

R 408.811
Source: 1997 AACS.

R 408.813
Source: 2003 AACS.

R 408.814
Source: 2003 AACS.

R 408.815
Source: 1997 AACS.

R 408.816
Source: 1983 AACS.

R 408.817
Source: 1996 AACS.

R 408.819
Source: 1983 AACS.

PART 2. DESIGN, CONSTRUCTION, AND OPERATION

R 408.821
Source: 2003 AACS.

R 408.822
Source: 1997 AACS.

R 408.824
Source: 1983 AACS.

R 408.825
Source: 1983 AACS.

R 408.826
Source: 1983 AACS.

R 408.827
Source: 1983 AACS.

R 408.828
Source: 1983 AACS.

R 408.829
Source: 1983 AACS.

R 408.830
Source: 1983 AACS.

R 408.831
Source: 1983 AACS.

R 408.832
Source: 1983 AACS.

R 408.833
Source: 2003 AACS.

R 408.834
Source: 2003 AACS.

R 408.835
Source: 1983 AACS.

R 408.837
Source: 2003 AACS.

R 408.838
Source: 2003 AACS.

R 408.839
Source: 1996 AACS.

R 408.839a
Source: 2003 AACS.

R 408.841
Source: 2003 AACS.

R 408.843
Source: 2003 AACS.

R 408.844
Source: 2003 AACS.

R 408.846
Source: 1983 AACS.

R 408.848
Source: 1996 AACS.

R 408.849
Source: 1983 AACS.

R 408.851
Source: 1983 AACS.

R 408.852
Source: 2003 AACS.

R 408.854
Source: 1983 AACS.

R 408.856
Source: 1983 AACS.

PART 3. PROCEDURES

R 408.871
Source: 1983 AACS.

R 408.872
Source: 1983 AACS.

R 408.873
Source: 1983 AACS.

R 408.874
Source: 1983 AACS.

R 408.876
Source: 2003 AACS.

R 408.877
Source: 2003 AACS.

R 408.881
Source: 2003 AACS.

R 408.882
Source: 2003 AACS.

R 408.885
Source: 2003 AACS.

R 408.886
Source: 2003 AACS.

R 408.887
Source: 2003 AACS.

PART 4. PARTICIPATORY RIDES—GO-KARTS

R 408.891
Source: 2003 AACS.

R 408.891a
Source: 1998-2000 AACS.

R 408.893

Source: 1998-2000 AACS.

R 408.895

Source: 1998-2000 AACS.

R 408.897

Source: 1998-2000 AACS.

PART 5. SIGNS AND SAFETY WARNINGS

R 408.898

Source: 2003 AACS.

BOILERS

PART 1. GENERAL PROVISIONS

R 408.4011

Source: 1998-2000 AACS.

R 408.4012

Source: 2002 AACS.

R 408.4013

Source: 1998-2000 AACS.

R 408.4015

Source: 1998-2000 AACS.

R 408.4017

Source: 1998-2000 AACS.

R 408.4019

Source: 1998-2000 AACS.

R 408.4021

Source: 1998-2000 AACS.

R 408.4023

Source: 1998-2000 AACS.

R 408.4024

Source: 2002 AACS.

R 408.4025

Source: 2002 AACS.

R 408.4026

Source: 1998-2000 AACS.

R 408.4027

Source: 2002 AACS.

R 408.4028

Source: 1995 AACS.

R 408.4031

Source: 2002 AACS.

R 408.4032
Source: 2002 AACS.

R 408.4033
Source: 2002 AACS.

R 408.4035
Source: 1995 AACS.

R 408.4038
Source: 2002 AACS.

R 408.4039
Source: 1998-2000 AACS.

R 408.4043
Source: 1997 AACS.

R 408.4047
Source: 1998-2000 AACS.

R 408.4049
Source: 1981 AACS.

R 408.4051
Source: 1981 AACS.

R 408.4052
Source: 2002 AACS.

R 408.4053
Source: 1997 AACS.

R 408.4055
Source: 1998-2000 AACS.

R 408.4057
Source: 2002 AACS.

R 408.4058
Source: 2002 AACS.

R 408.4059
Source: 2002 AACS.

R 408.4061
Source: 1997 AACS.

R 408.4063
Source: 1997 AACS.

R 408.4071
Source: 1995 AACS.

R 408.4073
Source: 2002 AACS.

R 408.4075

Source: 1995 AACS.

R 408.4077

Source: 2002 AACS.

R 408.4079

Source: 1981 AACS.

R 408.4081

Source: 1995 AACS.

R 408.4087

Source: 2002 AACS.

R 408.4091

Source: 2002 AACS.

R 408.4093

Source: 2002 AACS.

R 408.4095

Source: 1997 AACS.

R 408.4096

Source: 1998-2000 AACS.

R 408.4099

Source: 2002 AACS.

R 408.4101

Source: 2002 AACS.

R 408.4103

Source: 2002 AACS.

R 408.4105

Source: 1981 AACS.

R 408.4107

Source: 2002 AACS.

R 408.4109

Source: 2002 AACS.

R 408.4110

Source: 1997 AACS.

R 408.4111

Source: 2002 AACS.

R 408.4113

Source: 1997 AACS.

R 408.4114

Source: 1998-2000 AACS.

R 408.4115

Source: 2002 AACS.

R 408.4116
Source: 2002 AACCS.

R 408.4119
Source: 2002 AACCS.

R 408.4120
Source: 1997 AACCS.

R 408.4121
Source: 2002 AACCS.

R 408.4122
Source: 2002 AACCS.

R 408.4123
Source: 1981 AACCS.

R 408.4124
Source: 2002 AACCS.

R 408.4125
Source: 2002 AACCS.

R 408.4127
Source: 1998-2000 AACCS.

R 408.4129
Source: 2002 AACCS.

R 408.4133
Source: 2002 AACCS.

R 408.4139
Source: 1995 AACCS.

R 408.4143
Source: 1981 AACCS.

R 408.4149
Source: 2002 AACCS.

R 408.4153
Source: 2002 AACCS.

R 408.4159
Source: 1997 AACCS.

R 408.4163
Source: 2002 AACCS.

R 408.4169
Source: 1995 AACCS.

R 408.4172
Source: 1995 AACCS.

R 408.4173

Source: 2002 AACS.

R 408.4174

Source: 1997 AACS.

R 408.4175

Source: 2002 AACS.

R 408.4177

Source: 2002 AACS.

R 408.4179

Source: 2002 AACS.

R 408.4181

Source: 1997 AACS.

R 408.4182

Source: 2002 AACS.

R 408.4183

Source: 1997 AACS.

R 408.4184

Source: 1997 AACS.

R 408.4185

Source: 1995 AACS.

R 408.4186

Source: 1995 AACS.

R 408.4187

Source: 2002 AACS.

R 408.4189

Source: 2002 AACS.

R 408.4191

Source: 1997 AACS.

R 408.4193

Source: 2002 AACS.

R 408.4195

Source: 1998-2000 AACS.

R 408.4197

Source: 2002 AACS.

**PART 2. EXISTING INSTALLATIONS
STEAM BOILERS**

R 408.4214

Source: 1995 AACS.

R 408.4270

Source: 1985 AACS.

R 408.4275
Source: 1997 AACS.

**PART 3. INSPECTION AND TESTING FOR NEW CONSTRUCTION;
INSTALLATION AND ALTERATION OF BOILERS AND PIPING**

R 408.4301
Source: 2002 AACS.

R 408.4302
Source: 2002 AACS.

R 408.4303
Source: 1995 AACS.

R 408.4304
Source: 2002 AACS.

R 408.4306
Source: 1997 AACS.

R 408.4309
Source: 1997 AACS.

R 408.4312
Source: 1997 AACS.

R 408.4315
Source: 1997 AACS.

R 408.4318
Source: 1997 AACS.

R 408.4321
Source: 1997 AACS.

R 408.4324
Source: 1997 AACS.

R 408.4327
Source: 1997 AACS.

R 408.4330
Source: 1997 AACS.

R 408.4333
Source: 1997 AACS.

R 408.4336
Source: 1997 AACS.

R 408.4339
Source: 1997 AACS.

R 408.4342
Source: 1997 AACS.

R 408.4345
Source: 1997 AACS.

R 408.4348
Source: 1997 AACs.

R 408.4351
Source: 1997 AACs.

R 408.4354
Source: 1997 AACs.

R 408.4357
Source: 1997 AACs.

R 408.4360
Source: 1997 AACs.

R 408.4363
Source: 1997 AACs.

R 408.4366
Source: 1997 AACs.

R 408.4369
Source: 1997 AACs.

R 408.4372
Source: 1997 AACs.

R 408.4375
Source: 1997 AACs.

R 408.4378
Source: 1997 AACs.

R 408.4381
Source: 1997 AACs.

R 408.4384
Source: 1997 AACs.

R 408.4387
Source: 1997 AACs.

R 408.4390
Source: 1997 AACs.

R 408.4393
Source: 1997 AACs.

R 408.4396
Source: 1997 AACs.

PART 4. INSPECTION OF FUSION WELDING

R 408.4401
Source: 1997 AACs.

R 408.4402
Source: 1997 AACs.

R 408.4405
Source: 1997 AACCS.

R 408.4407
Source: 1997 AACCS.

R 408.4409
Source: 1997 AACCS.

R 408.4410
Source: 1997 AACCS.

R 408.4412
Source: 1997 AACCS.

R 408.4414
Source: 1997 AACCS.

R 408.4416
Source: 1997 AACCS.

R 408.4418
Source: 1997 AACCS.

R 408.4420
Source: 1997 AACCS.

R 408.4422
Source: 1997 AACCS.

R 408.4424
Source: 1997 AACCS.

R 408.4426
Source: 1997 AACCS.

R 408.4428
Source: 1997 AACCS.

R 408.4430
Source: 1997 AACCS.

R 408.4432
Source: 1997 AACCS.

R 408.4434
Source: 1997 AACCS.

R 408.4436
Source: 1997 AACCS.

R 408.4438
Source: 1997 AACCS.

R 408.4440
Source: 1997 AACCS.

R 408.4442
Source: 1997 AACCS.

R 408.4444
Source: 1997 AACCS.

R 408.4446
Source: 1997 AACCS.

R 408.4448
Source: 1997 AACCS.

R 408.4450
Source: 1997 AACCS.

R 408.4452
Source: 1997 AACCS.

R 408.4454
Source: 1997 AACCS.

R 408.4456
Source: 1997 AACCS.

R 408.4458
Source: 1997 AACCS.

R 408.4460
Source: 1997 AACCS.

R 408.4462
Source: 1997 AACCS.

R 408.4466
Source: 1997 AACCS.

R 408.4468
Source: 1997 AACCS.

R 408.4470
Source: 1997 AACCS.

R 408.4472
Source: 1997 AACCS.

R 408.4474
Source: 1997 AACCS.

R 408.4476
Source: 1997 AACCS.

R 408.4478
Source: 1997 AACCS.

R 408.4480
Source: 1997 AACCS.

R 408.4482
Source: 1997 AACCS.

R 408.4484
Source: 1997 AACS.

R 408.4486
Source: 1997 AACS.

R 408.4488
Source: 1997 AACS.

R 408.4489
Source: 1997 AACS.

R 408.4490
Source: 1997 AACS.

R 408.4491
Source: 1997 AACS.

R 408.4492
Source: 1997 AACS.

R 408.4493
Source: 1997 AACS.

R 408.4494
Source: 1997 AACS.

R 408.4495
Source: 1997 AACS.

R 408.4496
Source: 1997 AACS.

R 408.4497
Source: 1997 AACS.

R 408.4498
Source: 1997 AACS.

R 408.4499
Source: 1997 AACS.

PART 5. INSERVICE INSPECTION OF BOILERS

R 408.4501
Source: 2002 AACS.

R 408.4502
Source: 2001 AACS.

R 408.4503
Source: 1995 AACS.

R 408.4505
Source: 1998-2000 AACS.

R 408.4507
Source: 2002 AACS.

R 408.4511
Source: 1998-2000 AACS.

R 408.4512
Source: 1998-2000 AACS.

R 408.4513
Source: 1998-2000 AACS.

R 408.4515
Source: 1998-2000 AACS.

R 408.4517
Source: 1998-2000 AACS.

R 408.4518
Source: 1998-2000 AACS.

R 408.4522
Source: 1995 AACS.

R 408.4524
Source: 1998-2000 AACS.

R 408.4526
Source: 1998-2000 AACS.

R 408.4529
Source: 1998-2000 AACS.

R 408.4531
Source: 1998-2000 AACS.

R 408.4534
Source: 1998-2000 AACS.

R 408.4536
Source: 1998-2000 AACS.

R 408.4538
Source: 1998-2000 AACS.

R 408.4540
Source: 1997 AACS.

R 408.4542
Source: 1997 AACS.

R 408.4545
Source: 1998-2000 AACS.

R 408.4547
Source: 1998-2000 AACS.

R 408.4550
Source: 1998-2000 AACS.

- R 408.4552**
Source: 1997 AACS.
- R 408.4554**
Source: 1998-2000 AACS.
- R 408.4556**
Source: 1997 AACS.
- R 408.4559**
Source: 1998-2000 AACS.
- R 408.4561**
Source: 1998-2000 AACS.
- R 408.4566**
Source: 1998-2000 AACS.
- R 408.4569**
Source: 1998-2000 AACS.
- R 408.4570**
Source: 1995 AACS.
- R 408.4572**
Source: 1998-2000 AACS.
- R 408.4578**
Source: 1998-2000 AACS.
- R 408.4580**
Source: 1998-2000 AACS.
- R 408.4583**
Source: 1998-2000 AACS.
- R 408.4586**
Source: 1998-2000 AACS.
- R 408.4590**
Source: 1998-2000 AACS.

PART 6. REPAIR OF BOILERS
SCOPE OF RULES FOR REPAIR BY RIVETING

- R 408.4601**
Source: 2002 AACS.
- R 408.4602**
Source: 1995 AACS.
- R 408.4603**
Source: 1995 AACS.
- R 408.4604**
Source: 1995 AACS.
- R 408.4605**
Source: 1995 AACS.

- R 408.4606**
Source: 1995 AACS.
- R 408.4607**
Source: 1995 AACS.
- R 408.4608**
Source: 1995 AACS.
- R 408.4609**
Source: 1995 AACS.
- R 408.4610**
Source: 1995 AACS.
- R 408.4611**
Source: 1995 AACS.
- R 408.4612**
Source: 1995 AACS.
- R 408.4613**
Source: 1995 AACS.
- R 408.4614**
Source: 1995 AACS.
- R 408.4615**
Source: 1995 AACS.
- R 408.4616**
Source: 1995 AACS.
- R 408.4617**
Source: 1995 AACS.
- R 408.4618**
Source: 1995 AACS.
- R 408.4619**
Source: 1995 AACS.
- R 408.4620**
Source: 1995 AACS.
- R 408.4621**
Source: 1998-2000 AACS.
- R 408.4622**
Source: 1995 AACS.
- R 408.4623**
Source: 1995 AACS.
- R 408.4624**
Source: 1995 AACS.
- R 408.4625**
Source: 1995 AACS.

SCOPE OF RULES FOR REPAIR BY WELDING

R 408.4626
Source: 1998-2000 AACS.

R 408.4627
Source: 1998-2000 AACS.

R 408.4628
Source: 1995 AACS.

R 408.4631
Source: 1998-2000 AACS.

R 408.4633
Source: 1998-2000 AACS.

R 408.4635
Source: 1997 AACS.

R 408.4637
Source: 2002 AACS.

R 408.4639
Source: 1997 AACS.

R 408.4641
Source: 1997 AACS.

R 408.4643
Source: 1998-2000 AACS.

R 408.4645
Source: 1997 AACS.

R 408.4647
Source: 1998-2000 AACS.

R 408.4649
Source: 1998-2000 AACS.

R 408.4650
Source: 1998-2000 AACS.

R 408.4651
Source: 1998-2000 AACS.

R 408.4653
Source: 1997 AACS.

R 408.4655
Source: 1997 AACS.

R 408.4657
Source: 1997 AACS.

R 408.4659
Source: 1998-2000 AACS.

- R 408.4660**
Source: 1995 AACS.
- R 408.4661**
Source: 1998-2000 AACS.
- R 408.4662**
Source: 1997 AACS.
- R 408.4664**
Source: 1997 AACS.
- R 408.4666**
Source: 1997 AACS.
- R 408.4667**
Source: 1995 AACS.
- R 408.4668**
Source: 1998-2000 AACS.
- R 408.4670**
Source: 1998-2000 AACS.
- R 408.4671**
Source: 1998-2000 AACS.
- R 408.4672**
Source: 1998-2000 AACS.
- R 408.4674**
Source: 1997 AACS.
- R 408.4675**
Source: 1998-2000 AACS.
- R 408.4676**
Source: 1998-2000 AACS.
- R 408.4677**
Source: 1997 AACS.
- R 408.4678**
Source: 1997 AACS.
- R 408.4679**
Source: 1997 AACS.
- R 408.4680**
Source: 1998-2000 AACS.
- R 408.4682**
Source: 1998-2000 AACS.
- R 408.4683**
Source: 1998-2000 AACS.

R 408.4684
Source: 2001 AACS.

R 408.4686
Source: 2001 AACS.

R 408.4687
Source: 2001 AACS.

R 408.4688
Source: 2001 AACS.

R 408.4689
Source: 1995 AACS.

R 408.4690
Source: 2001 AACS.

R 408.4691
Source: 2001 AACS.

R 408.4692
Source: 1997 AACS.

R 408.4693
Source: 1998-2000 AACS.

R 408.4694
Source: 1998-2000 AACS.

R 408.4695
Source: 1998-2000 AACS.

R 408.4696
Source: 1997 AACS.

R 408.4697
Source: 1998-2000 AACS.

PART 7. BOILER BLOWOFF SYSTEMS

R 408.4701
Source: 1998-2000 AACS.

R 408.4704
Source: 1995 AACS.

R 408.4711
Source: 2002 AACS.

R 408.4715
Source: 1997 AACS.

R 408.4719
Source: 1997 AACS.

R 408.4723
Source: 1997 AACS.

R 408.4727
Source: 1995 AACS.

R 408.4731
Source: 1995 AACS.

R 408.4739
Source: 2002 AACS.

R 408.4747
Source: 1995 AACS.

R 408.4750
Source: 2002 AACS.

R 408.4756
Source: 1997 AACS.

R 408.4762
Source: 1997 AACS.

R 408.4768
Source: 1997 AACS.

R 408.4774
Source: 1997 AACS.

R 408.4780
Source: 1997 AACS.

R 408.4786
Source: 1997 AACS.

R 408.4792
Source: 1997 AACS.

R 408.4798
Source: 1997 AACS.

PART 8. CONTROLS

R 408.4801
Source: 1995 AACS.

FUEL CUTOFFS AND FEEDWATER REGULATORS

R 408.4853
Source: 1995 AACS.

R 408.4857
Source: 1998-2000 AACS.

R 408.4859
Source: 1997 AACS.

R 408.4861
Source: 1997 AACS.

R 408.4863
Source: 1997 AACS.

R 408.4865
Source: 1997 AACS.

R 408.4869
Source: 1997 AACS.

R 408.4871
Source: 1997 AACS.

R 408.4873
Source: 1997 AACS.

R 408.4876
Source: 1997 AACS.

R 408.4879
Source: 1997 AACS.

R 408.4882
Source: 1997 AACS.

R 408.4885
Source: 1997 AACS.

R 408.4888
Source: 1997 AACS.

R 408.4890
Source: 1997 AACS.

PART 9. LOW-PRESSURE SIDE OF REDUCING VALVES

R 408.4901
Source: 1997 AACS.

R 408.4910
Source: 1997 AACS.

R 408.4920
Source: 1997 AACS.

R 408.4930
Source: 1997 AACS.

R 408.4940
Source: 1997 AACS.

R 408.4950
Source: 1997 AACS.

R 408.4960
Source: 1997 AACS.

R 408.4970
Source: 1997 AACS.

R 408.4980
Source: 1997 AACS.

R 408.4990
Source: 1997 AACS.

PART 15. HEARINGS

R 408.5501
Source: 1995 AACS.

R 408.5502
Source: 1997 AACS.

R 408.5503
Source: 1997 AACS.

R 408.5504
Source: 1997 AACS.

R 408.5505
Source: 1997 AACS.

R 408.5506
Source: 1997 AACS.

R 408.5507
Source: 1997 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

OCCUPATIONAL SAFETY STANDARDS COMMISSION

GENERAL RULES

R 408.6171
Source: 1998-2000 AACS.

BUREAU OF EMPLOYMENT STANDARDS

YOUTH EMPLOYMENT STANDARDS

PART 1. GENERAL PROVISIONS

R 408.6199
Source: 1988 AACS.

PART 2. HAZARDOUS OCCUPATIONS IN GENERAL EMPLOYMENT

R 408.6201
Source: 1988 AACS.

R 408.6202

Source: 2003 AACS.

R 408.6203

Source: 2003 AACS.

R 408.6204

Source: 1988 AACS.

R 408.6205

Source: 1988 AACS.

R 408.6206

Source: 1988 AACS.

R 408.6207

Source: 1988 AACS.

R 408.6208

Source: 2003 AACS.

R 408.6209

Source: 1988 AACS.

**PART 3. DEVIATIONS FROM ESTABLISHED STANDARDS OR FROM
LEGAL HOURS OF EMPLOYMENT FOR 16- AND 17-YEAR-OLD MINORS**

R 408.6301

Source: 1988 AACS.

R 408.6302

Source: 2003 AACS.

R 408.6303

Source: 2003 AACS.

R 408.6304

Source: 2003 AACS.

R 408.6305

Source: 1988 AACS.

R 408.6306

Source: 1988 AACS.

R 408.6307

Source: 1988 AACS.

R 408.6308

Source: 1988 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

DIRECTOR'S OFFICE

ELEVATORS

CHAPTER 1. GENERAL PROVISIONS

R 408.7001
Source: 2003 AACCS.

R 408.7002
Source: 2003 AACCS.

R 408.7003
Source: 2003 AACCS.

R 408.7004
Source: 2003 AACCS.

R 408.7005
Source: 2003 AACCS.

R 408.7006
Source: 2003 AACCS.

R 408.7007
Source: 2003 AACCS.

R 408.7008
Source: 2003 AACCS.

R 408.7009
Source: 2003 AACCS.

R 408.7010
Source: 2003 AACCS.

R 408.7011
Source: 2003 AACCS.

R 408.7012
Source: 2003 AACCS.

R 408.7013
Source: 2003 AACCS.

R 408.7014
Source: 2003 AACCS.

R 408.7015
Source: 2003 AACCS.

R 408.7016
Source: 2003 AACCS.

R 408.7017
Source: 2003 AACCS.

R 408.7018
Source: 2003 AACCS.

R 408.7019
Source: 2003 AACCS.

R 408.7020

Source: 2003 AACS.

R 408.7021

Source: 2003 AACS.

R 408.7022

Source: 2003 AACS.

R 408.7023

Source: 2003 AACS.

R 408.7024

Source: 2003 AACS.

R 408.7025

Source: 2003 AACS.

CHAPTER 2. ALL ELEVATORS

R 408.7026

Source: 2003 AACS.

R 408.7027

Source: 2003 AACS.

R 408.7028

Source: 2003 AACS.

R 408.7029

Source: 2003 AACS.

R 408.7030

Source: 2003 AACS.

R 408.7031

Source: 2003 AACS.

CHAPTER 3. ASME A17.1 MODIFICATIONS

R 408.7032

Source: 2003 AACS.

R 408.7033

Source: 2003 AACS.

R 408.7034

Source: 2003 AACS.

R 408.7035

Source: 2003 AACS.

R 408.7036

Source: 2003 AACS.

R 408.7037

Source: 2003 AACS.

R 408.7038

Source: 2003 AACS.

R 408.7039
Source: 2003 AACCS.

R 408.7040
Source: 2003 AACCS.

R 408.7041
Source: 2003 AACCS.

R 408.7042
Source: 2003 AACCS.

R 408.7043
Source: 2003 AACCS.

R 408.7044
Source: 2003 AACCS.

R 408.7045
Source: 2003 AACCS.

R 408.7046
Source: 2003 AACCS.

R 408.7047
Source: 2003 AACCS.

R 408.7048
Source: 2003 AACCS.

R 408.7049
Source: 2003 AACCS.

R 408.7050
Source: 2003 AACCS.

R 408.7051
Source: 2003 AACCS.

R 408.7052
Source: 2003 AACCS.

R 408.7053
Source: 2003 AACCS.

R 408.7054
Source: 2003 AACCS.

R 408.7055
Source: 2003 AACCS.

R 408.7056
Source: 2003 AACCS.

R 408.7057
Source: 2003 AACCS.

R 408.7058
Source: 2003 AACS.

R 408.7059
Source: 2003 AACS.

R 408.7060
Source: 2003 AACS.

CHAPTER 4. ASME A18.1 MODIFICATIONS

R 408.7061
Source: 2003 AACS.

R 408.7062
Source: 2003 AACS.

R 408.7063
Source: 2003 AACS.

R 408.7064
Source: 2003 AACS.

R 408.7065
Source: 2003 AACS.

R 408.7066
Source: 2003 AACS.

R 408.7067
Source: 2003 AACS.

R 408.7068
Source: 2003 AACS.

CHAPTER 5. ASME A90-1 MODIFICATIONS

R 408.7069
Source: 2003 AACS.

CHAPTER 6. ANSI A10.4 MODIFICATIONS

R 408.7070
Source: 2003 AACS.

R 408.7071
Source: 2003 AACS.

R 408.7072
Source: 2003 AACS.

R 408.7073
Source: 2003 AACS.

R 408.7074
Source: 2003 AACS.

R 408.7075

Source: 2003 AACS.

R 408.7076

Source: 2003 AACS.

R 408.7077

Source: 2003 AACS.

R 408.7078

Source: 2003 AACS.

R 408.7079

Source: 2003 AACS.

R 408.7080

Source: 2003 AACS.

R 408.7081

Source: 2003 AACS.

CHAPTER 7. SEWER LIFT STATION PERSONNEL ELEVATORS

R 408.7082

Source: 2003 AACS.

R 408.7083

Source: 2003 AACS.

R 408.7084

Source: 2003 AACS.

R 408.7085

Source: 2003 AACS.

R 408.7086

Source: 2003 AACS.

R 408.7087

Source: 2003 AACS.

R 408.7088

Source: 2003 AACS.

R 408.7089

Source: 2003 AACS.

R 408.7090

Source: 2003 AACS.

R 408.7091

Source: 2003 AACS.

R 408.7092

Source: 2003 AACS.

R 408.7093

Source: 2003 AACS.

R 408.7094

Source: 2003 AACS.

R 408.7095

Source: 2003 AACS.

R 408.7096

Source: 2003 AACS.

R 408.7097

Source: 2003 AACS.

R 408.7098

Source: 2003 AACS.

R 408.7099

Source: 2003 AACS.

R 408.7100

Source: 2003 AACS.

R 408.7102

Source: 2003 AACS.

R 408.7103

Source: 2003 AACS.

R 408.8101

Source: 2003 AACS.

R 408.8103

Source: 2003 AACS.

R 408.8108

Source: 2003 AACS.

R 408.8111

Source: 2003 AACS.

R 408.8121

Source: 2003 AACS.

R 408.8122

Source: 2003 AACS.

R 408.8123

Source: 2003 AACS.

R 408.8124

Source: 2003 AACS.

R 408.8131

Source: 2003 AACS.

R 408.8132

Source: 2003 AACS.

R 408.8133

Source: 2003 AACS.

R 408.8134
Source: 2003 AACCS.

R 408.8135
Source: 2003 AACCS.

R 408.8136
Source: 2003 AACCS.

R 408.8137
Source: 2003 AACCS.

R 408.8138
Source: 2003 AACCS.

R 408.8139
Source: 2003 AACCS.

R 408.8141
Source: 2003 AACCS.

R 408.8145
Source: 2003 AACCS.

R 408.8149
Source: 2003 AACCS.

R 408.8150
Source: 2003 AACCS.

R 408.8151
Source: 2003 AACCS.

R 408.8152
Source: 2003 AACCS.

R 408.8153
Source: 2003 AACCS.

R 408.8161
Source: 2003 AACCS.

R 408.8171
Source: 2003 AACCS.

R 408.8201
Source: 2003 AACCS.

R 408.8202
Source: 2003 AACCS.

R 408.8203
Source: 2003 AACCS.

R 408.8205
Source: 2003 AACCS.

R 408.8206

Source: 2003 AACS.

R 408.8211

Source: 2003 AACS.

R 408.8212

Source: 2003 AACS.

R 408.8213

Source: 2003 AACS.

R 408.8214

Source: 2003 AACS.

R 408.8215

Source: 2003 AACS.

R 408.8216

Source: 2003 AACS.

R 408.8217

Source: 2003 AACS.

R 408.8218

Source: 2003 AACS.

R 408.8219

Source: 2003 AACS.

R 408.8220

Source: 2003 AACS.

R 408.8221

Source: 2003 AACS.

R 408.8222

Source: 2003 AACS.

R 408.8223

Source: 2003 AACS.

R 408.8224

Source: 2003 AACS.

R 408.8225

Source: 2003 AACS.

R 408.8226

Source: 2003 AACS.

R 408.8227

Source: 2003 AACS.

R 408.8228

Source: 2003 AACS.

R 408.8229

Source: 2003 AACS.

R 408.8230
Source: 2003 AACCS.

R 408.8231
Source: 2003 AACCS.

R 408.8232
Source: 2003 AACCS.

R 408.8233
Source: 2003 AACCS.

R 408.8234
Source: 2003 AACCS.

R 408.8235
Source: 2003 AACCS.

R 408.8236
Source: 2003 AACCS.

R 408.8237
Source: 2003 AACCS.

R 408.8238
Source: 2003 AACCS.

R 408.8241
Source: 2003 AACCS.

R 408.8242
Source: 2003 AACCS.

R 408.8243
Source: 2003 AACCS.

R 408.8244
Source: 2003 AACCS.

R 408.8245
Source: 2003 AACCS.

R 408.8246
Source: 2003 AACCS.

R 408.8247
Source: 2003 AACCS.

R 408.8248
Source: 2003 AACCS.

R 408.8249
Source: 2003 AACCS.

R 408.8250
Source: 2003 AACCS.

R 408.8251

Source: 2003 AACS.

R 408.8252

Source: 2003 AACS.

R 408.8253

Source: 2003 AACS.

R 408.8254

Source: 2003 AACS.

R 408.8255

Source: 2003 AACS.

R 408.8256

Source: 2003 AACS.

R 408.8257

Source: 2003 AACS.

R 408.8258

Source: 2003 AACS.

R 408.8259

Source: 2003 AACS.

R 408.8260

Source: 2003 AACS.

R 408.8261

Source: 2003 AACS.

R 408.8262

Source: 2003 AACS.

R 408.8263

Source: 2003 AACS.

R 408.8264

Source: 2003 AACS.

R 408.8265

Source: 2003 AACS.

R 408.8266

Source: 2003 AACS.

R 408.8267

Source: 2003 AACS.

R 408.8268

Source: 2003 AACS.

R 408.8269

Source: 2003 AACS.

R 408.8270

Source: 2003 AACS.

R 408.8271
Source: 2003 AACCS.

R 408.8281
Source: 2003 AACCS.

R 408.8282
Source: 2003 AACCS.

R 408.8283
Source: 2003 AACCS.

R 408.8284
Source: 2003 AACCS.

R 408.8285
Source: 2003 AACCS.

R 408.8286
Source: 2003 AACCS.

R 408.8287
Source: 2003 AACCS.

R 408.8288
Source: 2003 AACCS.

R 408.8289
Source: 2003 AACCS.

R 408.8290
Source: 2003 AACCS.

R 408.8291
Source: 2003 AACCS.

R 408.8292
Source: 2003 AACCS.

R 408.8293
Source: 2003 AACCS.

R 408.8294
Source: 2003 AACCS.

R 408.8295
Source: 2003 AACCS.

R 408.8296
Source: 2003 AACCS.

R 408.8301
Source: 2003 AACCS.

R 408.8302
Source: 2003 AACCS.

R 408.8303

Source: 2003 AACS.

R 408.8304

Source: 2003 AACS.

R 408.8305

Source: 2003 AACS.

R 408.8306

Source: 2003 AACS.

R 408.8307

Source: 2003 AACS.

R 408.8308

Source: 2003 AACS.

R 408.8309

Source: 2003 AACS.

R 408.8310

Source: 2003 AACS.

R 408.8311

Source: 2003 AACS.

R 408.8312

Source: 2003 AACS.

R 408.8313

Source: 2003 AACS.

R 408.8321

Source: 2003 AACS.

R 408.8322

Source: 2003 AACS.

R 408.8323

Source: 2003 AACS.

R 408.8324

Source: 2003 AACS.

R 408.8325

Source: 2003 AACS.

R 408.8326

Source: 2003 AACS.

R 408.8327

Source: 2003 AACS.

R 408.8328

Source: 2003 AACS.

R 408.8329

Source: 2003 AACS.

R 408.8341
Source: 2003 AACCS.

R 408.8361
Source: 2003 AACCS.

R 408.8362
Source: 2003 AACCS.

R 408.8363
Source: 2003 AACCS.

R 408.8364
Source: 2003 AACCS.

R 408.8365
Source: 2003 AACCS.

R 408.8401
Source: 2003 AACCS.

R 408.8403
Source: 2003 AACCS.

R 408.8411
Source: 2003 AACCS.

R 408.8415
Source: 2003 AACCS.

R 408.8421
Source: 2003 AACCS.

R 408.8422
Source: 2003 AACCS.

R 408.8423
Source: 2003 AACCS.

R 408.8424
Source: 2003 AACCS.

R 408.8425
Source: 2003 AACCS.

R 408.8426
Source: 2003 AACCS.

R 408.8427
Source: 2003 AACCS.

R 408.8428
Source: 2003 AACCS.

R 408.8429
Source: 2003 AACCS.

R 408.8430

Source: 2003 AACS.

R 408.8431

Source: 2003 AACS.

R 408.8432

Source: 2003 AACS.

R 408.8433

Source: 2003 AACS.

R 408.8434

Source: 2003 AACS.

R 408.8435

Source: 2003 AACS.

R 408.8436

Source: 2003 AACS.

R 408.8437

Source: 2003 AACS.

R 408.8438

Source: 2003 AACS.

R 408.8439

Source: 2003 AACS.

R 408.8440

Source: 2003 AACS.

R 408.8441

Source: 2003 AACS.

R 408.8451

Source: 2003 AACS.

R 408.8452

Source: 2003 AACS.

R 408.8453

Source: 2003 AACS.

R 408.8454

Source: 2003 AACS.

R 408.8455

Source: 2003 AACS.

R 408.8456

Source: 2003 AACS.

R 408.8457

Source: 2003 AACS.

R 408.8458

Source: 2003 AACS.

R 408.8459
Source: 2003 AACCS.

R 408.8460
Source: 2003 AACCS.

R 408.8461
Source: 2003 AACCS.

R 408.8462
Source: 2003 AACCS.

R 408.8463
Source: 2003 AACCS.

R 408.8464
Source: 2003 AACCS.

R 408.8465
Source: 2003 AACCS.

R 408.8466
Source: 2003 AACCS.

R 408.8467
Source: 2003 AACCS.

R 408.8468
Source: 2003 AACCS.

R 408.8469
Source: 2003 AACCS.

R 408.8470
Source: 2003 AACCS.

R 408.8471
Source: 2003 AACCS.

R 408.8472
Source: 2003 AACCS.

R 408.8473
Source: 2003 AACCS.

R 408.8474
Source: 2003 AACCS.

R 408.8475
Source: 2003 AACCS.

R 408.8476
Source: 2003 AACCS.

R 408.8477
Source: 2003 AACCS.

R 408.8478

Source: 2003 AACS.

R 408.8481

Source: 2003 AACS.

R 408.8483

Source: 2003 AACS.

R 408.8484

Source: 2003 AACS.

R 408.8511

Source: 2003 AACS.

R 408.8512

Source: 2003 AACS.

R 408.8513

Source: 2003 AACS.

R 408.8514

Source: 2003 AACS.

R 408.8515

Source: 2003 AACS.

R 408.8516

Source: 2003 AACS.

R 408.8517

Source: 2003 AACS.

R 408.8518

Source: 2003 AACS.

R 408.8519a

Source: 2003 AACS.

R 408.8520

Source: 2003 AACS.

R 408.8523a

Source: 2003 AACS.

R 408.8524

Source: 2003 AACS.

R 408.8525

Source: 2003 AACS.

R 408.8531

Source: 2003 AACS.

R 408.8532

Source: 2003 AACS.

R 408.8533

Source: 2003 AACS.

R 408.8534
Source: 2003 AACCS.

R 408.8535
Source: 2003 AACCS.

R 408.8536
Source: 2003 AACCS.

R408.8536a
Source: 2003 AACCS.

R 408.8537a
Source: 2003 AACCS.

R 408.8538
Source: 2003 AACCS.

R 408.8539
Source: 2003 AACCS.

R 408.8540
Source: 2003 AACCS.

R 408.8540a
Source: 2003 AACCS.

R 408.8540b
Source: 2003 AACCS.

R 408.8540c
Source: 2003 AACCS.

R 408.8541
Source: 2003 AACCS.

R 408.8542
Source: 2003 AACCS.

R 408.8543
Source: 2003 AACCS.

R 408.8544
Source: 2003 AACCS.

R 408.8545
Source: 2003 AACCS.

R 408.8546
Source: 2003 AACCS.

R 408.8547
Source: 2003 AACCS.

R 408.8548
Source: 2003 AACCS.

R 408.8549

Source: 2003 AACS.

R 408.8550

Source: 2003 AACS.

R 408.8551

Source: 2003 AACS.

R 408.8552

Source: 2003 AACS.

R 408.8553

Source: 2003 AACS.

R 408.8554

Source: 2003 AACS.

R 408.8555

Source: 2003 AACS.

R 408.8556

Source: 2003 AACS.

R 408.8561

Source: 2003 AACS.

R 408.8562

Source: 2003 AACS.

R 408.8563

Source: 2003 AACS.

R 408.8571

Source: 2003 AACS.

R 408.8572

Source: 2003 AACS.

R 408.8573

Source: 2003 AACS.

R 408.8574

Source: 2003 AACS.

R 408.8575

Source: 2003 AACS.

R 408.8576

Source: 2003 AACS.

R 408.8577

Source: 2003 AACS.

R 408.8578

Source: 2003 AACS.

R 408.8579

Source: 2003 AACS.

R 408.8580
Source: 2003 AACCS.

R 408.8581
Source: 2003 AACCS.

R 408.8582
Source: 2003 AACCS.

R 408.8583
Source: 2003 AACCS.

R 408.8585
Source: 2003 AACCS.

R 408.8587
Source: 2003 AACCS.

R 408.8588
Source: 2003 AACCS.

R 408.8589
Source: 2003 AACCS.

R 408.8590
Source: 2003 AACCS.

R 408.8591
Source: 2003 AACCS.

R 408.8592
Source: 2003 AACCS.

R 408.8595
Source: 2003 AACCS.

R 408.8596
Source: 2003 AACCS.

R 408.8601
Source: 2003 AACCS.

R 408.8611
Source: 2003 AACCS.

R 408.8612
Source: 2003 AACCS.

R 408.8613
Source: 2003 AACCS.

R 408.8614
Source: 2003 AACCS.

R 408.8615
Source: 2003 AACCS.

R 408.8616

Source: 2003 AACS.

R 408.8617

Source: 2003 AACS.

R 408.8618

Source: 2003 AACS.

R 408.8619

Source: 2003 AACS.

R 408.8620

Source: 2003 AACS.

R 408.8621

Source: 2003 AACS.

R 408.8631

Source: 2003 AACS.

R 408.8632a

Source: 2003 AACS.

R 408.8634

Source: 2003 AACS.

R 408.8636a

Source: 2003 AACS.

R 408.8638

Source: 2003 AACS.

R 408.8639

Source: 2003 AACS.

R 408.8639b

Source: 2003 AACS.

R 408.8641

Source: 2003 AACS.

R 408.8642

Source: 2003 AACS.

R 408.8643

Source: 2003 AACS.

R 408.8644

Source: 2003 AACS.

R 408.8648

Source: 2003 AACS.

R 408.8661

Source: 2003 AACS.

R 408.8662

Source: 2003 AACS.

R 408.8664
Source: 2003 AACS.

R 408.8671
Source: 2003 AACS.

R 408.8681
Source: 2003 AACS.

R 408.8682
Source: 2003 AACS.

R 408.8683
Source: 2003 AACS.

R 408.8690
Source: 2003 AACS.

R 408.8691
Source: 2003 AACS.

R 408.8691a
Source: 2003 AACS.

R 408.8691b
Source: 2003 AACS.

R 408.8692
Source: 2003 AACS.

R 408.8693
Source: 2003 AACS.

R 408.8694
Source: 2003 AACS.

R 408.8695
Source: 2003 AACS.

PAYMENT OF WAGES AND FRINGE BENEFITS

R 408.9001
Source: 1998-2000 AACS.

R 408.9002
Source: 2003 AACS.

R 408.9003
Source: 1998-2000 AACS.

R 408.9004
Source: 1998-2000 AACS.

R 408.9005
Source: 1998-2000 AACS.

R 408.9006
Source: 1998-2000 AACS.

R 408.9007
Source: 1998-2000 AACS.

R 408.9008
Source: 1998-2000 AACS.

R 408.9009
Source: 1998-2000 AACS.

R 408.9010
Source: 1998-2000 AACS.

R 408.9011
Source: 1998-2000 AACS.

R 408.9012
Source: 2003 AACS.

R 408.9013
Source: 1998-2000 AACS.

R 408.9014
Source: 1998-2000 AACS.

R 408.9015
Source: 1998-2000 AACS.

R 408.9016
Source: 1998-2000 AACS.

R 408.9017
Source: 1998-2000 AACS.

R 408.9018
Source: 1982 AACS.

R 408.9019
Source: 2003 AACS.

R 408.9020
Source: 1998-2000 AACS.

R 408.9021
Source: 1998-2000 AACS.

R 408.9022
Source: 1998-2000 AACS.

R 408.9023
Source: 1998-2000 AACS.

R 408.9024
Source: 1998-2000 AACS.

R 408.9025
Source: 1998-2000 AACS.

R 408.9026
Source: 1998-2000 AACS.

R 408.9027
Source: 1998-2000 AACS.

R 408.9028
Source: 1998-2000 AACS.

R 408.9029
Source: 1998-2000 AACS.

R 408.9030
Source: 1998-2000 AACS.

R 408.9031
Source: 1998-2000 AACS.

R 408.9032
Source: 1998-2000 AACS.

R 408.9033
Source: 1998-2000 AACS.

R 408.9034
Source: 1997 AACS.

GENERAL INDUSTRY SAFETY STANDARDS

PART 1. GENERAL PROVISIONS

R 408.10003
Source: 1993 AACS.

R 408.10015
Source: 1988 AACS.

R 408.10016
Source: 1983 AACS.

R 408.10018
Source: 1981 AACS.

R 408.10032
Source: 1997 AACS.

R 408.10033
Source: 1993 AACS.

R 408.10036
Source: 1983 AACS.

R 408.10037
Source: 1993 AACS.

R 408.10098
Source: 1993 AACS.

PART 1A. ABRASIVE WHEELS

R 408.10102
Source: 1990 AACS.

R 408.10103
Source: 1990 AACS.

R 408.10105
Source: 1990 AACS.

R 408.10115
Source: 1990 AACS.

GUARDING PROVISIONS

R 408.10121
Source: 1990 AACS.

R 408.10124
Source: 1990 AACS.

SPEED PROVISIONS

R 408.10171
Source: 1997 AACS.

R 408.10172
Source: 1997 AACS.

R 408.10173
Source: 1990 AACS.

R 408.10174
Source: 1990 AACS.

R 408.10175
Source: 1990 AACS.

SPECIAL SPEEDS

R 408.10177
Source: 1990 AACS.

OPERATING PROVISIONS

R 408.10181
Source: 1990 AACS.

R 408.10186
Source: 1990 AACS.

R 408.10187
Source: 1990 AACS.

R 408.10198
Source: 1990 AACS.

R 408.10199
Source: 1990 AACS.

PART 2. FLOOR AND WALL OPENINGS, STAIRWAYS, AND SKYLIGHTS

R 408.10201
Source: 1989 AACS.

R 408.10206
Source: 1989 AACS.

R 408.10208
Source: 1989 AACS.

R 408.10217
Source: 1989 AACS.

R 408.10219
Source: 1989 AACS.

R 408.10223
Source: 1989 AACS.

R 408.10228
Source: 1989 AACS.

R 408.10230
Source: 1989 AACS.

R 408.10231
Source: 1989 AACS.

R 408.10233
Source: 1989 AACS.

R 408.10235
Source: 1989 AACS.

R 408.10236
Source: 1989 AACS.

R 408.10237
Source: 1989 AACS.

R 408.10240
Source: 1989 AACS.

PART 3. FIXED LADDERS

R 408.10305
Source: 1994 AACS.

R 408.10306
Source: 1994 AACS.

R 408.10307
Source: 1994 AACS.

- R 408.10308**
Source: 1994 AACS.
- R 408.10310**
Source: 1994 AACS.
- R 408.10311**
Source: 1994 AACS.
- R 408.10323**
Source: 1994 AACS.
- R 408.10324**
Source: 1994 AACS.
- R 408.10333**
Source: 1994 AACS.
- R 408.10342**
Source: 1994 AACS.
- R 408.10345**
Source: 1994 AACS.
- R 408.10351**
Source: 1998-2000 AACS.
- R 408.10354**
Source: 1994 AACS.
- R 408.10355**
Source: 1994 AACS.
- R 408.10365**
Source: 1982 AACS.
- R 408.10371**
Source: 1994 AACS.
- R 408.10372**
Source: 1994 AACS.

PART 4. PORTABLE LADDERS

- R 408.10403**
Source: 1981 AACS.
- R 408.10407**
Source: 1982 AACS.
- R 408.10426**
Source: 1997 AACS.
- R 408.10427**
Source: 1981 AACS.
- R 408.10428**
Source: 1981 AACS.

R 408.10431
Source: 1982 AACS.

R 408.10441
Source: 1981 AACS.

R 408.10446
Source: 1982 AACS.

R 408.10447
Source: 1981 AACS.

R 408.10451
Source: 1981 AACS.

PART 5. SCAFFOLDING

R 408.10502
Source: 1992 AACS.

R 408.10503
Source: 1992 AACS.

R 408.10506
Source: 1992 AACS.

R 408.10507
Source: 1992 AACS.

R 408.10508
Source: 1992 AACS.

R 408.10511
Source: 1983 AACS.

R 408.10512
Source: 1981 AACS.

R 408.10513
Source: 1983 AACS.

R 408.10521
Source: 1981 AACS.

R 408.10524
Source: 1981 AACS.

R 408.10525
Source: 1983 AACS.

R 408.10527
Source: 1981 AACS.

R 408.10529
Source: 1983 AACS.

R 408.10532
Source: 1983 AACS.

R 408.10535
Source: 1983 AACS.

R 408.10542
Source: 1981 AACS.

POWERED PLATFORMS

R 408.10561
Source: 1992 AACS.

R 408.10562
Source: 1992 AACS.

R 408.10563
Source: 1992 AACS.

R 408.10564
Source: 1992 AACS.

R 408.10565
Source: 1992 AACS.

R 408.10566
Source: 1992 AACS.

R 408.10567
Source: 1992 AACS.

R 408.10568
Source: 1992 AACS.

R 408.10569
Source: 1992 AACS.

R 408.10570
Source: 1992 AACS.

R 408.10571
Source: 1992 AACS.

R 408.10572
Source: 1992 AACS.

R 408.10573
Source: 1992 AACS.

R 408.10574
Source: 1992 AACS.

R 408.10575
Source: 1992 AACS.

R 408.10576
Source: 1992 AACS.

R 408.10577
Source: 1992 AACS.

R 408.10578
Source: 1992 AACS.

R 408.10579
Source: 1992 AACS.

R 408.10580
Source: 1992 AACS.

R 408.10581
Source: 1992 AACS.

WIRE, FIBER, AND SYNTHETIC ROPE

R 408.10582
Source: 1992 AACS.

R 408.10583
Source: 1992 AACS.

R 408.10584
Source: 1992 AACS.

R 408.10585
Source: 1992 AACS.

R 408.10586
Source: 1992 AACS.

R 408.10587
Source: 1992 AACS.

R 408.10588
Source: 1992 AACS.

R 408.10589
Source: 1992 AACS.

R 408.10590
Source: 1992 AACS.

R 408.10591
Source: 1992 AACS.

R 408.10592
Source: 1992 AACS.

PART 6. FIRE EXITS

GENERAL PROVISIONS

R 408.10601
Source: 1990 AACS.

R 408.10603
Source: 1990 AACS.

R 408.10604

Source: 1990 AACS.

R 408.10605

Source: 1990 AACS.

R 408.10608

Source: 1990 AACS.

R 408.10611

Source: 1990 AACS.

CLASSES OF OCCUPANCY AND HAZARD OF CONTENTS

R 408.10621

Source: 1990 AACS.

R 408.10623

Source: 1993 AACS.

R 408.10624

Source: 1993 AACS.

MEANS OF EGRESS

R 408.10634

Source: 1990 AACS.

R 408.10636

Source: 1990 AACS.

R 408.10639

Source: 1990 AACS.

R 408.10644

Source: 1990 AACS.

R 408.10645

Source: 1990 AACS.

R 408.10647

Source: 1990 AACS.

R 408.10664

Source: 1990 AACS.

R 408.10679

Source: 1998-2000 AACS.

R 408.10695

Source: 1990 AACS.

PART 7. GUARDS FOR POWER TRANSMISSION

R 408.10703

Source: 1982 AACS.

R 408.10711

Source: 1982 AACS.

R 408.10712
Source: 1982 AACS.

R 408.10713
Source: 1982 AACS.

R 408.10714
Source: 1997 AACS.

R 408.10715
Source: 1982 AACS.

R 408.10716
Source: 1982 AACS.

R 408.10721
Source: 1982 AACS.

R 408.10722
Source: 1982 AACS.

R 408.10725
Source: 1982 AACS.

R 408.10726
Source: 1982 AACS.

R 408.10727
Source: 1982 AACS.

R 408.10730
Source: 1982 AACS.

R 408.10731
Source: 1982 AACS.

R 408.10734
Source: 1982 AACS.

R 408.10741
Source: 1982 AACS.

R 408.10744
Source: 1982 AACS.

R 408.10753
Source: 1982 AACS.

R 408.10754
Source: 1982 AACS.

R 408.10757
Source: 1997 AACS.

R 408.10763
Source: 1982 AACS.

PART 8. PORTABLE FIRE EXTINGUISHERS

GENERAL PROVISIONS

R 408.10801
Source: 1984 AACS.

R 408.10813
Source: 1984 AACS.

R 408.10814
Source: 1980 AACS.

DISTRIBUTION

R 408.10822
Source: 1984 AACS.

R 408.10823
Source: 1980 AACS.

R 408.10833
Source: 1980 AACS.

INSTALLATION, INSPECTION, TESTING, AND MAINTENANCE

R 408.10835
Source: 1984 AACS.

R 408.10836
Source: 1984 AACS.

R 408.10839
Source: 1984 AACS.

PART 9. FIXED FIRE EQUIPMENT

GENERAL PROVISIONS

R 408.10901
Source: 1984 AACS.

R 408.10903
Source: 1984 AACS.

R 408.10913
Source: 1984 AACS.

R 408.10919
Source: 1984 AACS.

R 408.10920
Source: 1984 AACS.

AUTOMATIC SPRINKLER SYSTEMS

R 408.10921
Source: 1984 AACS.

R 408.10925
Source: 1984 AACS.

R 408.10926
Source: 1984 AACS.

R 408.10928
Source: 1984 AACS.

STANDPIPE AND HOSE SYSTEMS

R 408.10931
Source: 1984 AACS.

R 408.10934
Source: 1984 AACS.

R 408.10936
Source: 1997 AACS.

R 408.10937
Source: 1984 AACS.

CARBON DIOXIDE SYSTEMS

R 408.10941
Source: 1984 AACS.

DRY CHEMICAL SYSTEMS

R 408.10951
Source: 1984 AACS.

R 408.10952
Source: 1984 AACS.

FOAM SYSTEMS

R 408.10961
Source: 1984 AACS.

R 408.10963
Source: 1984 AACS.

R 408.10964
Source: 1984 AACS.

R 408.10965
Source: 1984 AACS.

HALOGENATED EXTINGUISHING SYSTEMS

R 408.10971
Source: 1984 AACS.

LOCAL FIRE ALARM SYSTEMS

R 408.10981
Source: 1984 AACS.

R 408.10983
Source: 1984 AACS.

FIRE DETECTION SYSTEMS

R 408.10991
Source: 1984 AACS.

R 408.10993
Source: 1984 AACS.

R 408.10995
Source: 1984 AACS.

R 408.10999
Source: 1984 AACS.

PART 11. POLISHING, BUFFING, AND ABRADING

R 408.11111
Source: 1983 AACS.

PART 12. WELDING AND CUTTING

R 408.11205
Source: 1988 AACS.

R 408.11211
Source: 1983 AACS.

R 408.11212
Source: 1988 AACS.

R 408.11213
Source: 1988 AACS.

R 408.11214
Source: 1997 AACS.

R 408.11222
Source: 1988 AACS.

R 408.11225
Source: 1988 AACS.

R 408.11232
Source: 1981 AACS.

R 408.11234
Source: 1981 AACS.

R 408.11242
Source: 1981 AACS.

R 408.11281

Source: 1988 AACS.

R 408.11292

Source: 1981 AACS.

R 408.11294

Source: 1981 AACS.

R 408.11297

Source: 1997 AACS.

R 408.11298

Source: 1981 AACS.

R 408.11299

Source: 1981 AACS.

PART 13. DERRICKS

R 408.11301

Source: 1982 AACS.

PART 14. CONVEYORS

R 408.11436

Source: 1997 AACS.

PART 16. LABELING OF HAZARDOUS SUBSTANCES

R 408.11601

Source: 1997 AACS.

R 408.11602

Source: 1997 AACS.

R 408.11603

Source: 1997 AACS.

R 408.11604

Source: 1997 AACS.

R 408.11605

Source: 1997 AACS.

R 408.11606

Source: 1997 AACS.

R 408.11607

Source: 1997 AACS.

R 408.11608

Source: 1997 AACS.

R 408.11609

Source: 1997 AACS.

R 408.11610

Source: 1997 AACS.

R 408.11611
Source: 1997 AACS.

R 408.11612
Source: 1997 AACS.

R 408.11613
Source: 1997 AACS.

R 408.11602
Source: 1997 AACS.

R 408.11603
Source: 1997 AACS.

PART 18. OVERHEAD AND GANTRY CRANES

OPERATORS AND OPERATIONS

R 408.11801
Source: 2002 AACS.

R 408.11803
Source: 2002 AACS.

R 408.11804
Source: 2002 AACS.

R 408.11805
Source: 2002 AACS.

R 408.11806
Source: 2002 AACS.

R 408.11807
Source: 2002 AACS.

R 408.11808
Source: 2002 AACS.

CONSTRUCTION, INSTALLATION AND EQUIPMENT

R 408.11821
Source: 2002 AACS.

R 408.11822
Source: 2002 AACS.

R 408.11824
Source: 2002 AACS.

R 408.11825
Source: 2002 AACS.

R 408.11826
Source: 2002 AACS.

R 408.11827
Source: 2002 AACS.

R 408.11833
Source: 2002 AACS.

R 408.11835
Source: 2002 AACS.

R 408.11837
Source: 2002 AACS.

R 408.11841
Source: 2002 AACS.

R 408.11843
Source: 2002 AACS.

R 408.11844
Source: 2002 AACS.

R 408.11845
Source: 2002 AACS.

R 408.11847
Source: 2002 AACS.

OPERATORS AND OPERATIONS

R 408.11851
Source: 2002 AACS.

R 408.11852
Source: 2002 AACS.

R 408.11853
Source: 2002 AACS.

R 408.11854
Source: 2002 AACS.

R 408.11855
Source: 2002 AACS.

R 408.11857
Source: 2002 AACS.

R 408.11859
Source: 2002 AACS.

R 408.11861
Source: 2002 AACS.

R 408.11865
Source: 2002 AACS.

INSPECTIONS

R 408.11871
Source: 2002 AACS.

R 408.11872
Source: 2002 AACS.

R 408.11873
Source: 2002 AACS.

R 408.11874
Source: 2002 AACS.

R 408.11875
Source: 2002 AACS.

PART 1. ADMINISTRATION

R 421.15
Source: 2002 AACS.

PART 19. CRAWLER, LOCOMOTIVE, AND TRUCK CRANES

R 408.11913
Source: 1991 AACS.

R 408.11916
Source: 1997 AACS.

R 408.11937
Source: 1989 AACS.

R 408.11943
Source: 1989 AACS.

PART 20. UNDERHUNG CRANES AND MONORAIL SYSTEMS

R 408.12001
Source: 1990 AACS.

R 408.12003
Source: 1990 AACS.

R 408.12004
Source: 1990 AACS.

R 408.12005
Source: 1990 AACS.

CONSTRUCTION, INSTALLATION, AND TESTING

R 408.12011
Source: 1997 AACS.

R 408.12012
Source: 1990 AACS.

R 408.12013
Source: 1990 AACS.

R 408.12014
Source: 1990 AACS.

R 408.12015
Source: 1990 AACS.

R 408.12016
Source: 1990 AACS.

R 408.12017
Source: 1990 AACS.

R 408.12018
Source: 1990 AACS.

R 408.12019
Source: 1990 AACS.

OPERATORS AND OPERATIONS

R 408.12021
Source: 1990 AACS.

R 408.12022
Source: 1990 AACS.

R 408.12023
Source: 1990 AACS.

R 408.12024
Source: 1990 AACS.

R 408.12025
Source: 1990 AACS.

R 408.12026
Source: 1990 AACS.

R 408.12031
Source: 1990 AACS.

R 408.12032
Source: 1990 AACS.

R 408.12033
Source: 1990 AACS.

R 408.12034
Source: 1990 AACS.

R 408.12035
Source: 1990 AACS.

INSPECTION AND MAINTENANCE

R 408.12041
Source: 1990 AACS.

R 408.12042
Source: 1990 AACS.

R 408.12043
Source: 1990 AACS.

R 408.12044
Source: 1990 AACS.

R 408.12045
Source: 1990 AACS.

PART 21. POWERED INDUSTRIAL TRUCKS

R 408.12102
Source: 1998-2000 AACS.

R 408.12103
Source: 1998-2000 AACS.

R 408.12104
Source: 1998-2000 AACS.

R 408.12105
Source: 1998-2000 AACS.

R 408.12106
Source: 1998-2000 AACS.

R 408. 12109.
Source: 1998-2000 AACS.

R 408.12110
Source: 1998-2000 AACS.

R 408.12111
Source: 1998-2000 AACS.

R 408.12121
Source: 1998-2000 AACS.

R 408.12130
Source: 1998-2000 AACS.

R 408.12132
Source: 1998-2000 AACS.

R 408.12134
Source: 1998-2000 AACS.

R 408.12135
Source: 1998-2000 AACS.

R 408.12136
Source: 1998-2000 AACS.

R 408.12137
Source: 1998-2000 AACS.

R 408.12138
Source: 1998-2000 AACS.

R 408.12143
Source: 1983 AACS.

R 408.12151
Source: 1998-2000 AACS.

R 408.12152
Source: 1998-2000 AACS.

R 408.12153
Source: 1983 AACS.

R 408.12154
Source: 1998-2000 AACS.

R 408.12155
Source: 1998-2000 AACS.

R 408.12161
Source: 1980 AACS.

R 408.12162
Source: 1983 AACS.

R 408.12163
Source: 1998-2000 AACS.

R 408.12164
Source: 1998-2000 AACS.

R 408.12171
Source: 1998-2000 AACS.

R 408.12172
Source: 1998-2000 AACS.

R 408.12173
Source: 1998-2000 AACS.

R 408.12176.
Source: 1998-2000 AACS.

R 408.12177
Source: 1983 AACS.

R 408.12179
Source: 1983 AACS.

R 408.12183
Source: 1983 AACS.

R 408.12184
Source: 1983 AACS.

R 408.12190
Source: 1983 AACS.

PART 23. HYDRAULIC POWER PRESSES

R 408.12336
Source: 1997 AACS.

PART 24. MECHANICAL POWER PRESSES

R 408.12401
Source: 1990 AACS.

R 408.12403
Source: 1990 AACS.

R 408.12404
Source: 1990 AACS.

R 408.12407
Source: 1990 AACS.

R 408.12411
Source: 1993 AACS.

R 408.12412
Source: 1993 AACS.

R 408.12413
Source: 1990 AACS.

R 408.12428
Source: 1990 AACS.

R 408.12442
Source: 1990 AACS.

R 408.12443
Source: 1990 AACS.

SAFEGUARDING THE POINT OF OPERATION

R 408.12461
Source: 1990 AACS.

R 408.12463
Source: 1993 AACS.

DIE DESIGN, CONSTRUCTION, SETTING, AND FEEDING

R 408.12471
Source: 1990 AACS.

R 408.12472
Source: 1990 AACS.

R 408.12473
Source: 1990 AACS.

R 408.12474
Source: 1990 AACS.

R 408.12477
Source: 1990 AACS.

PART 25. MANLIFTS

R 408.12501
Source: 1997 AACS.

PART 26. METALWORKING MACHINERY

R 408.12605
Source: 1991 AACS.

R 408.12607
Source: 1991 AACS.

R 408.12613
Source: 1997 AACS.

R 408.12614
Source: 1991 AACS.

R 408.12615
Source: 1997 AACS.

R 408.12617
Source: 1997 AACS.

R 408.12620
Source: 1991 AACS.

R 408.12633
Source: 1991 AACS.

R 408.12635
Source: 1991 AACS.

R 408.12636
Source: 1991 AACS.

R 408.12639
Source: 1991 AACS.

R 408.12640
Source: 1991 AACS.

R 408.12641
Source: 1991 AACS.

R 408.12642
Source: 1991 AACS.

R 408.12646
Source: 1991 AACS.

R 408.12650
Source: 1991 AACS.

PART 27. WOODWORKING MACHINERY

R 408.12715
Source: 1997 AACS.

R 408.12716
Source: 1997 AACS.

R 408.12718
Source: 1981 AACS.

R 408.12727
Source: 1981 AACS.

R 408.12728
Source: 1983 AACS.

R 408.12730
Source: 1983 AACS.

R 408.12751
Source: 1981 AACS.

R 408.12793
Source: 1981 AACS.

R 408.12798
Source: 1983 AACS.

PART 31. PERSONAL PROTECTIVE EQUIPMENT

R 408.13101
Source: 1997 AACS.

R 408.13102
Source: 1997 AACS.

R 408.13103
Source: 1997 AACS.

R 408.13104
Source: 1997 AACS.

R 408.13105
Source: 1997 AACS.

R 408.13106
Source: 1997 AACS.

R 408.13107
Source: 1997 AACS.

R 408.13108
Source: 1997 AACS.

R 408.13109
Source: 1997 AACCS.

R 408.13110
Source: 1997 AACCS.

R 408.13111
Source: 1997 AACCS.

R 408.13112
Source: 1997 AACCS.

R 408.13113
Source: 1997 AACCS.

R 408.13114
Source: 1997 AACCS.

R 408.13115
Source: 1997 AACCS.

R 408.13116
Source: 1997 AACCS.

R 408.13117
Source: 1997 AACCS.

R 408.13118
Source: 1997 AACCS.

R 408.13119
Source: 1997 AACCS.

R 408.13120
Source: 1997 AACCS.

R 408.13121
Source: 1997 AACCS.

R 408.13122
Source: 1997 AACCS.

R 408.13123
Source: 1997 AACCS.

R 408.13124
Source: 1997 AACCS.

R 408.13125
Source: 1997 AACCS.

R 408.13126
Source: 1997 AACCS.

R 408.13127
Source: 1997 AACCS.

R 408.13128
Source: 1997 AACCS.

R 408.13129
Source: 1997 AACS.

R 408.13130
Source: 1997 AACS.

R 408.13131
Source: 1997 AACS.

R 408.13132
Source: 1997 AACS.

R 408.13133
Source: 1997 AACS.

R 408.13134
Source: 1997 AACS.

R 408.13135
Source: 1997 AACS.

PART 32. HEAD PROTECTION EQUIPMENT

R 408.13201
Source: 1997 AACS.

R 408.13203
Source: 1997 AACS.

R 408.13205
Source: 1997 AACS.

R 408.13211
Source: 1997 AACS.

R 408.13221
Source: 1997 AACS.

R 408.13222
Source: 1997 AACS.

R 408.13231
Source: 1997 AACS.

R 408.13241
Source: 1997 AACS.

PART 33. PERSONAL PROTECTIVE EQUIPMENT

R 408.13301
Source: 1983 AACS.

R 408.13302
Source: 1983 AACS.

R 408.13303
Source: 1983 AACS.

R 408.13304
Source: 1983 AACS.

R 408.13305
Source: 1983 AACS.

R 408.13306
Source: 1983 AACS.

R 408.13308
Source: 1995 AACS.

R 408.13309
Source: 1995 AACS.

R 408.13310
Source: 1997 AACS.

FACE AND EYE PROTECTION

R 408.13311
Source: 1997 AACS.

R 408.13312
Source: 1997 AACS.

R 408.13313
Source: 1983 AACS.

R 408.13320
Source: 1983 AACS.

R 408.13321
Source: 1983 AACS.

R 408.13322
Source: 1983 AACS.

R 408.13323
Source: 1983 AACS.

R 408.13324
Source: 1995 AACS.

R 408.13325
Source: 1983 AACS.

R 408.13327
Source: 1983 AACS.

R 408.13329
Source: 1983 AACS.

R 408.13330
Source: 1983 AACS.

R 408.13332
Source: 1983 AACS.

R 408.13340
Source: 1983 AACS.

R 408.13342
Source: 1983 AACS.

R 408.13343
Source: 1983 AACS.

R 408.13344
Source: 1983 AACS.

R 408.13345
Source: 1983 AACS.

R 408.13346
Source: 1983 AACS.

R 408.13347
Source: 1983 AACS.

EYE PROTECTORS

R 408.13350
Source: 1997 AACS.

R 408.13352
Source: 1983 AACS.

R 408.13353
Source: 1983 AACS.

R 408.13355
Source: 1983 AACS.

R 408.13356
Source: 1983 AACS.

R 408.13357
Source: 1983 AACS.

R 408.13359
Source: 1983 AACS.

R 408.13360
Source: 1983 AACS.

R 408.13362
Source: 1983 AACS.

R 408.13363
Source: 1983 AACS.

R 408.13364
Source: 1983 AACS.

R 408.13366
Source: 1983 AACS.

R 408.13367
Source: 1983 AACS.

R 408.13369
Source: 1983 AACS.

HEAD PROTECTION EQUIPMENT

R 408.13370
Source: 1997 AACS.

R 408.13372
Source: 1997 AACS.

R 408.13375
Source: 1995 AACS.

R 408.13376
Source: 1983 AACS.

R 408.13378
Source: 1983 AACS.

FOOT PROTECTION

R 408.13383
Source: 1997 AACS.

R 408.13384
Source: 1983 AACS.

R 408.13385
Source: 1997 AACS.

R 408.13386
Source: 1983 AACS.

ELECTRICAL PROTECTIVE EQUIPMENT

R 408.13387
Source: 1997 AACS.

R 408.13390
Source: 1997 AACS.

HAND PROTECTION

R 408.13392
Source: 1995 AACS.

R 408.13394
Source: 1997 AACS.

R 408.13398
Source: 1983 AACS.

PART 35. FACE AND EYE PROTECTION

R 408.13501—R 408.13569
Source: 1997 AACS.

R 408.13503
Source: 1997 AACS.

R 408.13504
Source: 1997 AACS.

R 408.13505
Source: 1997 AACS.

R 408.13506
Source: 1997 AACS.

R 408.13508
Source: 1997 AACS.

R 408.13511
Source: 1997 AACS.

R 408.13512
Source: 1997 AACS.

R 408.13513
Source: 1997 AACS.

R 408.13514
Source: 1997 AACS.

R 408.13521
Source: 1997 AACS.

R 408.13522
Source: 1997 AACS.

R 408.13523
Source: 1997 AACS.

R 408.13524
Source: 1997 AACS.

R 408.13525
Source: 1997 AACS.

R 408.13526
Source: 1997 AACS.

R 408.13528
Source: 1997 AACS.

R 408.13530
Source: 1997 AACS.

R 408.13531
Source: 1997 AACS.

R 408.13533
Source: 1997 AACS.

R 408.13541
Source: 1997 AACCS.

R 408.13542
Source: 1997 AACCS.

R 408.13543
Source: 1997 AACCS.

R 408.13544
Source: 1997 AACCS.

R 408.13545
Source: 1997 AACCS.

R 408.13546
Source: 1997 AACCS.

R 408.13547
Source: 1997 AACCS.

R 408.13551
Source: 1997 AACCS.

R 408.13552
Source: 1997 AACCS.

R 408.13553
Source: 1997 AACCS.

R 408.13555
Source: 1997 AACCS.

R 408.13556
Source: 1997 AACCS.

R 408.13557
Source: 1997 AACCS.

R 408.13559
Source: 1997 AACCS.

R 408.13560
Source: 1997 AACCS.

R 408.13562
Source: 1997 AACCS.

R 408.13563
Source: 1997 AACCS.

R 408.13564
Source: 1997 AACCS.

R 408.13566
Source: 1997 AACCS.

R 408.13567
Source: 1997 AACCS.

R 408.13569
Source: 1997 AACS.

PART 37. ACCIDENT PREVENTION SIGNS AND TAGS

TAGS

R 408.13703
Source: 1983 AACS.

R 408.13707
Source: 1983 AACS.

R 408.13708
Source: 1983 AACS.

R 408.13711
Source: 1983 AACS.

R 408.13713
Source: 1983 AACS.

R 408.13714
Source: 1983 AACS.

R 408.13715
Source: 1983 AACS.

R 408.13716
Source: 1983 AACS.

R 408.13717
Source: 1997 AACS.

R 408.13718
Source: 1997 AACS.

R 408.13721
Source: 1983 AACS.

R 408.13722
Source: 1997 AACS.

R 408.13731
Source: 1988 AACS.

R 408.13732
Source: 1983 AACS.

R 408.13733
Source: 1983 AACS.

R 408.13734
Source: 1983 AACS.

R 408.13735
Source: 1983 AACS.

R 408.13736
Source: 1997 AACS.

PART 38. HAND AND PORTABLE POWERED TOOLS

R 408.13811
Source: 1993 AACS.

R 408.13812
Source: 1993 AACS.

R 408.13821
Source: 1983 AACS.

R 408.13822
Source: 1983 AACS.

R 408.13823
Source: 1983 AACS.

R 408.13832
Source: 1997 AACS.

R 408.13847
Source: 1983 AACS.

R 408.13861
Source: 1983 AACS.

R 408.13865
Source: 1983 AACS.

R 408.13871
Source: 1983 AACS.

R 408.13872
Source: 1983 AACS.

R 408.13873
Source: 1983 AACS.

R 408.13874
Source: 1983 AACS.

R 408.13875
Source: 1983 AACS.

R 408.13876
Source: 1997 AACS.

R 408.13881
Source: 1983 AACS.

R 408.13882
Source: 1993 AACS.

PART 39. DESIGN SAFETY STANDARDS FOR ELECTRICAL SYSTEMS

R 408.13901
Source: 1994 AACS.

R 408.13902
Source: 1994 AACS.

PART 40. SAFETY-RELATED WORK PRACTICES

R 408.14001
Source: 1992 AACS.

R 408.14002
Source: 1992 AACS.

R 408.14003
Source: 1992 AACS.

R 408.14004
Source: 1992 AACS.

R 408.14005
Source: 1992 AACS.

R 408.14006
Source: 1992 AACS.

R 408.14007
Source: 1992 AACS.

R 408.14008
Source: 1992 AACS.

R 408.14009
Source: 1992 AACS.

PART 42. FORGING

R 408.14204
Source: 1989 AACS.

R 408.14221
Source: 1997 AACS.

R 408.14225
Source: 1997 AACS.

R 408.14232
Source: 1989 AACS.

PART 44. FOUNDRIES

R 408.14421
Source: 1988 AACS.

R 408.14423
Source: 1997 AACS.

R 408.14425
Source: 1997 AACS.

R 408.14426
Source: 1997 AACCS.

R 408.14427
Source: 1997 AACCS.

R 408.14431
Source: 1997 AACCS.

R 408.14433
Source: 1988 AACCS.

R 408.14436
Source: 1988 AACCS.

R 408.14438
Source: 1997 AACCS.

R 408.14447
Source: 1997 AACCS.

R 408.14451
Source: 1988 AACCS.

R 408.14461
Source: 1988 AACCS.

R 408.14463
Source: 1988 AACCS.

R 408.14465
Source: 1988 AACCS.

R 408.14466
Source: 1988 AACCS.

R 408.14471
Source: 1988 AACCS.

R 408.14474
Source: 1997 AACCS.

R 408.14477
Source: 1997 AACCS.

R 408.14478
Source: 1988 AACCS.

R 408.14479
Source: 1997 AACCS.

R 408.14481
Source: 1997 AACCS.

R 408.14483
Source: 1997 AACCS.

R 408.14485
Source: 1997 AACCS.

R 408.14486
Source: 1997 AACS.

R 408.14488
Source: 1988 AACS.

R 408.14492
Source: 1988 AACS.

R 408.14493
Source: 1988 AACS.

R 408.14494
Source: 1997 AACS.

R 408.14496
Source: 1997 AACS.

PART 45. DIE CASTING

R 408.14511
Source: 1983 AACS.

R 408.14515
Source: 1997 AACS.

R 408.14517
Source: 1997 AACS.

EQUIPMENT INSTALLATION AND MAINTENANCE

R 408.14521
Source: 1997 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

GENERAL INDUSTRY SAFETY STANDARDS COMMISSION

PART 49. SLINGS

R 408.14913
Source: 1998-2000 AACS.

R 408.14923
Source: 1998-2000 AACS.

PART 51. LOGGING

GENERAL PROVISIONS

R 408.15101
Source: 1996 AACS.

R 408.15105

Source: 1996 AACS.

R 408.15106

Source: 1996 AACS.

R 408.15107

Source: 1996 AACS.

R 408.15108

Source: 1996 AACS.

EMPLOYER-EMPLOYEE RESPONSIBILITIES

R 408.15112

Source: 1989 AACS.

R 408.15113

Source: 1989 AACS.

R 408.15114

Source: 1996 AACS.

R 408.15116

Source: 1989 AACS.

R 408.15117

Source: 1996 AACS.

R 408.15118

Source: 1996 AACS.

R 408.15119

Source: 1996 AACS.

PERSONAL PROTECTIVE EQUIPMENT

R 408.15120

Source: 1996 AACS.

R 408.15122

Source: 1996 AACS.

R 408.15123

Source: 1996 AACS.

R 408.15124

Source: 1996 AACS.

R 408.15125

Source: 1996 AACS.

R 408.15127

Source: 1996 AACS.

PROTECTIVE EQUIPMENT

HAND-HELD CHAIN SAWS

R 408.15130
Source: 1996 AACS.

R 408.15131
Source: 1996 AACS.

R 408.15132
Source: 1997 AACS.

R 408.15133
Source: 1997 AACS.

R 408.15134
Source: 1997 AACS.

R 408.15135
Source: 1997 AACS.

R 408.15136
Source: 1996 AACS.

OTHER SAWS

R 408.15137
Source: 1989 AACS.

R 408.15138
Source: 1989 AACS.

LOGGING EQUIPMENT

R 408.15142
Source: 1996 AACS.

R 408.15143
Source: 1989 AACS.

R 408.15144
Source: 1996 AACS.

R 408.15145
Source: 1997 AACS.

R 408.15146
Source: 1996 AACS.

R 408.15147
Source: 1997 AACS.

R 408.15148
Source: 1996 AACS.

R 408.15149
Source: 1996 AACS.

R 408.15150
Source: 1996 AACS.

FELLING, LIMBING, BUCKING, AND SKIDDING

R 408.15151
Source: 1996 AACS.

R 408.15153
Source: 1989 AACS.

R 408.15154
Source: 1989 AACS.

R 408.15155
Source: 1996 AACS.

R 408.15156
Source: 1996 AACS.

R 408.15157
Source: 1996 AACS.

R 408.15158
Source: 1996 AACS.

R 408.15159
Source: 1997 AACS.

LOADING AND DECKING

R 408.15161
Source: 1997 AACS.

R 408.15162
Source: 1997 AACS.

R 408.15163
Source: 1997 AACS.

R 408.15164
Source: 1997 AACS.

TRUCK EQUIPMENT AND OPERATION

R 408.15171
Source: 1997 AACS.

R 408.15173
Source: 1997 AACS.

R 408.15174
Source: 1997 AACS.

R 408.15175
Source: 1996 AACS.

R 408.15180
Source: 1989 AACS.

R 408.15181

Source: 1989 AACS.

PART 52. SAWMILLS

R 408.15202

Source: 1989 AACS.

R 408.15203

Source: 1989 AACS.

R 408.15204

Source: 1989 AACS.

R 408.15205

Source: 1989 AACS.

R 408.15207

Source: 1989 AACS.

R 408.15211

Source: 1989 AACS.

R 408.15212

Source: 1989 AACS.

R 408.15222

Source: 1989 AACS.

R 408.15225

Source: 1989 AACS.

R 408.15226

Source: 1989 AACS.

SPECIFIC EQUIPMENT

R 408.15231

Source: 1989 AACS.

R 408.15232

Source: 1989 AACS.

R 408.15233

Source: 1989 AACS.

R 408.15234

Source: 1989 AACS.

R 408.15241

Source: 1989 AACS.

R 408.15242

Source: 1989 AACS.

R 408.15246

Source: 1989 AACS.

R 408.15247

Source: 1989 AACS.

R 408.15262
Source: 1989 AACS.

LOG AND MATERIAL HANDLING AND STORAGE

R 408.15273
Source: 1989 AACS.

R 408.15274
Source: 1983 AACS.

R 408.15275
Source: 1997 AACS.

R 408.15277
Source: 1997 AACS.

PART 53. TREE TRIMMING AND REMOVAL

R 408.15313
Source: 1983 AACS.

PART 54. POWERED GROUNDSKEEPING EQUIPMENT

R 408.15411
Source: 1983 AACS.

R 408.15413
Source: 1983 AACS.

R 408.15415
Source: 1983 AACS.

R 408.15416
Source: 1983 AACS.

R 408.15421
Source: 1997 AACS.

R 408.15422
Source: 1983 AACS.

R 408.15423
Source: 1997 AACS.

R 408.15424
Source: 1997 AACS.

R 408.15425
Source: 1997 AACS.

R 408.15429
Source: 1983 AACS.

R 408.15431
Source: 1997 AACS.

R 408.15452
Source: 1983 AACS.

R 408.15461
Source: 1983 AACS.

PART 55. EXPLOSIVES

R 408.15501
Source: 1998-2000 AACS.

PART 56. STORAGE AND HANDLING OF LIQUEFIED PETROLEUM GASES

R 408.15601
Source: 1998-2000 AACS.

PART 57. OIL AND GAS DRILLING AND SERVICING OPERATIONS

R 408.15701
Source: 1989 AACS.

R 408.15703
Source: 1989 AACS.

R 408.15704
Source: 1989 AACS.

R 408.15705
Source: 1989 AACS.

R 408.15706
Source: 1989 AACS.

R 408.15707
Source: 1989 AACS.

R 408.15708
Source: 1989 AACS.

R 408.15711
Source: 1989 AACS.

R 408.15712
Source: 1989 AACS.

R 408.15713
Source: 1989 AACS.

R 408.15715
Source: 1989 AACS.

R 408.15718
Source: 1989 AACS.

R 408.15719
Source: 1989 AACS.

R 408.15721
Source: 1989 AACS.

R 408.15722

Source: 1989 AACS.

R 408.15723

Source: 1989 AACS.

R 408.15725

Source: 1989 AACS.

R 408.15726

Source: 1989 AACS.

EQUIPMENT

R 408.15731

Source: 1989 AACS.

R 408.15732

Source: 1989 AACS.

R 408.15734

Source: 1989 AACS.

R 408.15736

Source: 1989 AACS.

R 408.15737

Source: 1994 AACS.

R 408.15739

Source: 1989 AACS.

R 408.15741

Source: 1989 AACS.

R 408.15743

Source: 1989 AACS.

R 408.15744

Source: 1989 AACS.

R 408.15745

Source: 1989 AACS.

R 408.15753

Source: 1989 AACS.

R 408.15754

Source: 1989 AACS.

R 408.15755

Source: 1997 AACS.

R 408.15756

Source: 1989 AACS.

R 408.15757

Source: 1989 AACS.

OTHER SPECIAL SERVICE OPERATIONS

R 408.15761
Source: 1989 AACS.

R 408.15762
Source: 1989 AACS.

R 408.15763
Source: 1997 AACS.

R 408.15764
Source: 1989 AACS.

R 408.15765
Source: 1997 AACS.

R 408.15766
Source: 1997 AACS.

R 408.15767
Source: 1997 AACS.

R 408.15768
Source: 1989 AACS.

R 408.15769
Source: 1997 AACS.

R 408.15771
Source: 1989 AACS.

PART 58. VEHICLE-MOUNTED ELEVATING AND ROTATING WORK PLATFORMS

R 408.15803
Source: 1988 AACS.

R 408.15830
Source: 1988 AACS.

R 408.15831
Source: 1988 AACS.

R 408.15832
Source: 1988 AACS.

PART 59. HELICOPTERS

R 408.15915
Source: 1983 AACS.

PART 62. PLASTIC MOLDING

R 408.16201
Source: 1992 AACS.

R 408.16204
Source: 1992 AACS.

R 408.16206
Source: 1992 AACS.

R 408.16222
Source: 1992 AACS.

R 408.16223
Source: 1992 AACS.

R 408.16225
Source: 1992 AACS.

R 408.16226
Source: 1992 AACS.

R 408.16227
Source: 1998-2000 AACS.

SPECIFIC EQUIPMENT

R 408.16231
Source: 1992 AACS.

R 408.16232
Source: 1992 AACS.

R 408.16234
Source: 1998-2000 AACS.

R 408.16235
Source: 1992 AACS.

R 408.16236
Source: 1992 AACS.

R 408.16242
Source: 1992 AACS.

R 408.16243
Source: 1992 AACS.

R 408.16245
Source: 1992 AACS.

R 408.16246
Source: 1992 AACS.

R 408.16251
Source: 1992 AACS.

PART 63. PULP, PAPER, AND PAPERBOARD MILLS

R 408.16305
Source: 1993 AACS.

R 408.16311
Source: 1993 AACS.

R 408.16313
Source: 1993 AACS.

R 408.16321
Source: 1993 AACS.

R 408.16328
Source: 1993 AACS.

R 408.16333
Source: 1983 AACS.

R 408.16351
Source: 1993 AACS.

R 408.16378
Source: 1981 AACS.

PART 69. COMPRESSED AIR AND GASES, EQUIPMENT, AND SYSTEMS

R 408.16901
Source: 1998-2000 AACS.

R 408.16902
Source: 1998-2000 AACS.

PART 71. LAUNDRY AND DRY CLEANING MACHINERY AND OPERATIONS

R 408.17111
Source: 1983 AACS.

R 408.17122
Source: 1981 AACS.

R 408.17123
Source: 1997 AACS.

R 408.17124
Source: 1997 AACS.

R 408.17125
Source: 1981 AACS.

R 408.17143
Source: 1981 AACS.

R 408.17147
Source: 1997 AACS.

PART 72. AUTOMOTIVE SERVICE OPERATIONS

R 408.17201
Source: 1990 AACS.

R 408.17206
Source: 1990 AACS.

R 408.17235
Source: 1993 AACS.

R 408.17236

Source: 1990 AACS.

R 408.17237

Source: 1990 AACS.

R 408.17253

Source: 1990 AACS.

PART 73. FIRE BRIGADES

R 408.17301

Source: 1984 AACS.

R 408.17303

Source: 1998-2000 AACS.

R 408.17305

Source: 1984 AACS.

R 408.17307

Source: 1984 AACS.

R 408.17309

Source: 1984 AACS.

R 408.17310

Source: 1998-2000 AACS.

R 408.17312

Source: 1984 AACS.

R 408.17314

Source: 1998-2000 AACS.

R 408.17315

Source: 1998-2000 AACS.

R 408.17316.

Source: 1998-2000 AACS.

R 408.17317

Source: 1998-2000 AACS.

R 408.17318

Source: 1998-2000 AACS.

R 408.17320

Source: 1998-2000 AACS.

R 408.17322

Source: 1998-2000 AACS.

PART 74. FIRE FIGHTING

R 408.17401

Source: 2001 AACS.

R 408.17402
Source: 1988 AACS.

R 408.17403
Source: 2001 AACS.

R 408.17404
Source: 2001 AACS.

R 408.17405
Source: 2001 AACS.

R 408.17411
Source: 2001 AACS.

R 408.17415
Source: 2001 AACS.

CONSTRUCTION AND USE OF EQUIPMENT

R 408.17421
Source: 2001 AACS.

R 408.17422
Source: 2001 AACS.

R 408.17423
Source: 2001 AACS.

R 408.17424
Source: 2001 AACS.

R 408.17425
Source: 2001 AACS.

R 408.17426
Source: 2001 AACS.

PERSONAL PROTECTIVE EQUIPMENT

R 408.17431
Source: 2001 AACS.

R 408.17432
Source: 2001 AACS.

R 408.17433
Source: 2001 AACS.

R 408.17434
Source: 2001 AACS.

R 408.17435
Source: 2001 AACS.

R 408.17436
Source: 2001 AACS.

R 408.17437
Source: 2001 AACS.

TOOLS

R 408.17440
Source: 2001 AACS.

R 408.17442
Source: 2001 AACS.

OPERATIONS

R 408.17451
Source: 2001 AACS.

R 408.17452
Source: 2001 AACS.

INSPECTIONS

R 408.17461
Source: 1993 AACS.

R 408.17462
Source: 1997 AACS.

R 408.17463
Source: 2001 AACS.

R 408.17464
Source: 2001 AACS.

PART 75. FLAMMABLE AND COMBUSTIBLE LIQUIDS

R 408.17501
Source: 1982 AACS.

PART 76. SPRAY FINISHING AND DIP TANKS

R 408.17601
Source: 1989 AACS.

R 408.17602
Source: 1989 AACS.

R 408.17603
Source: 1989 AACS.

R 408.17605
Source: 1989 AACS.

R 408.17607
Source: 1989 AACS.

R 408.17609
Source: 1989 AACS.

R 408.17610
Source: 1993 AACS.

R 408.17612
Source: 1993 AACS.

R 408.17613
Source: 1989 AACS.

R 408.17614
Source: 1989 AACS.

R 408.17615
Source: 1993 AACS.

R 408.17616
Source: 1989 AACS.

R 408.17618
Source: 1989 AACS.

DIP TANKS

R 408.17620
Source: 1989 AACS.

R 408.17621
Source: 1989 AACS.

R 408.17622
Source: 1989 AACS.

R 408.17623
Source: 1989 AACS.

R 408.17624
Source: 1989 AACS.

R 408.17630
Source: 1989 AACS.

R 408.17631
Source: 1989 AACS.

R 408.17632
Source: 1989 AACS.

R 408.17633
Source: 1989 AACS.

FIRE PROTECTION

R 408.17636
Source: 1989 AACS.

R 408.17637
Source: 1989 AACS.

FLAMMABLE AND COMBUSTIBLE LIQUIDS

R 408.17640
Source: 1989 AACS.

R 408.17641
Source: 1989 AACS.

ELECTRICAL AND OTHER SOURCES OF IGNITION

R 408.17650
Source: 1989 AACS.

R 408.17651
Source: 1989 AACS.

R 408.17696
Source: 1989 AACS.

R 408.17699
Source: 1989 AACS.

PART 77. GRAIN HANDLING FACILITIES

R 408.17701
Source: 1997 AACS.

R 408.17702
Source: 1988 AACS.

R 408.17703
Source: 1997 AACS.

R 408.17704
Source: 1988 AACS.

R 408.17705
Source: 1997 AACS.

R 408.17706
Source: 1988 AACS.

R 408.17707
Source: 1997 AACS.

R 408.17708
Source: 1988 AACS.

R 408.17709
Source: 1988 AACS.

R 408.17710
Source: 1988 AACS.

R 408.17711
Source: 1988 AACS.

R 408.17712

Source: 1988 AACS.

R 408.17713

Source: 1988 AACS.

R 408.17714

Source: 1988 AACS.

R 408.17715

Source: 1988 AACS.

R 408.17716

Source: 1997 AACS.

R 408.17717

Source: 1988 AACS.

R 408.17719

Source: 1997 AACS.

PART 78. ANHYDROUS AMMONIA

R 408.17801

Source: 1998-2000 AACS.

PART 79. DIVING OPERATIONS

R 408.17903

Source: 1993 AACS.

R 408.17904

Source: 1993 AACS.

R 408.17905

Source: 1993 AACS.

R 408.17906

Source: 1993 AACS.

R 408.17907

Source: 1993 AACS.

R 408.17909

Source: 1993 AACS.

R 408.17911

Source: 1993 AACS.

R 408.17912

Source: 1993 AACS.

R 408.17913

Source: 1993 AACS.

R 408.17914

Source: 1993 AACS.

R 408.17921

Source: 1993 AACS.

R 408.17922
Source: 1993 AACS.

R 408.17923
Source: 1993 AACS.

R 408.17924
Source: 1993 AACS.

R 408.17925
Source: 1993 AACS.

R 408.17926
Source: 1993 AACS.

R 408.17927
Source: 1993 AACS.

R 408.17931
Source: 1993 AACS.

R 408.17932
Source: 1993 AACS.

R 408.17933
Source: 1993 AACS.

R 408.17934
Source: 1993 AACS.

R 408.17941
Source: 1993 AACS.

R 408.17942
Source: 1993 AACS.

R 408.17945
Source: 1993 AACS.

R 408.17946
Source: 1993 AACS.

R 408.17951
Source: 1993 AACS.

R 408.17952
Source: 1993 AACS.

R 408.17953
Source: 1993 AACS.

R 408.17954
Source: 1993 AACS.

R 408.17955
Source: 1993 AACS.

R 408.17956
Source: 1993 AACS.

R 408.17957
Source: 1993 AACS.

R 408.17958
Source: 1993 AACS.

R 408.17961
Source: 1993 AACS.

R 408.17962
Source: 1993 AACS.

PART 81. BAKING OPERATIONS

R 408.18111
Source: 1982 AACS.

R 408.18114
Source: 1982 AACS.

R 408.18116
Source: 1982 AACS.

R 408.18117
Source: 1982 AACS.

R 408.18121
Source: 1982 AACS.

R 408.18122
Source: 1982 AACS.

R 408.18123
Source: 1982 AACS.

R 408.18124
Source: 1982 AACS.

R 408.18126
Source: 1982 AACS.

R 408.18127
Source: 1982 AACS.

R 408.18130
Source: 1982 AACS.

R 408.18134
Source: 1982 AACS.

R 408.18142
Source: 1982 AACS.

R 408.18143
Source: 1982 AACS.

R 408.18144
Source: 1982 AACS.

R 408.18145
Source: 1982 AACS.

R 408.18146
Source: 1982 AACS.

R 408.18153
Source: 1982 AACS.

R 408.18158
Source: 1982 AACS.

R 408.18171
Source: 1982 AACS.

R 408.18181
Source: 1982 AACS.

PART 85. THE CONTROL OF HAZARDOUS ENERGY SOURCES

R 408.18501
Source: 1993 AACS.

R 408.18502
Source: 1993 AACS.

R 408.18599
Source: 1993 AACS.

PART 86. ELECTRIC POWER GENERATION, TRANSMISSION, AND DISTRIBUTION

R 408.18601
Source: 1995 AACS.

R 408.18602
Source: 1997 AACS.

PART 90. CONFINED SPACE ENTRY

R 408.19001
Source: 1993 AACS.

R 408.19002
Source: 1998-2000 AACS.

PART 91. PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS

R 408.19101
Source: 1998-2000 AACS.

R 408.19102
Source: 1998-2000 AACS.

PART 92. HAZARD COMMUNICATION

R 408.19201
Source: 1995 AACS.

R 408.19202
Source: 1995 AACS.

R 408.19203
Source: 1995 AACS.

PART 93. AIR RECEIVERS

R 408.19301
Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

GENERAL INDUSTRY SAFETY STANDARDS COMMISSION

COMPLIANCE AND APPEALS

R 408.19901
Source: 1998-2000 AACS.

R 408.19902
Source: 1998-2000 AACS.

R 408.19903
Source: 1998-2000 AACS.

R 408.19904
Source: 1998-2000 AACS.

R 408.19905
Source: 1998-2000 AACS.

R 408.19906
Source: 1998-2000 AACS.

R 408.19907
Source: 1998-2000 AACS.

R 408.19908
Source: 1998-2000 AACS.

R 408.19909
Source: 1998-2000 AACS.

R 408.19910
Source: 1998-2000 AACS.

DEPARTMENT ORGANIZATION AND GENERAL FUNCTIONS

PART 1. DIRECTOR'S OFFICE

R 408.20001
Source: 1997 AACS.

R 408.20002
Source: 1997 AACS.

R 408.20003
Source: 1997 AACS.

R 408.20004
Source: 1997 AACS.

R 408.20005
Source: 1997 AACS.

R 408.20006
Source: 1997 AACS.

PART 2. BUREAU OF ADMINISTRATIVE SERVICES

R 408.20011
Source: 1997 AACS.

R 408.20012
Source: 1997 AACS.

R 408.20013
Source: 1997 AACS.

R 408.20014
Source: 1997 AACS.

R 408.20015
Source: 1997 AACS.

PART 3. BUREAU OF SAFETY AND REGULATION

R 408.20021—R 408.20031
Source: 1997 AACS.

PART 4. EMPLOYMENT RELATIONS COMMISSION

R 408.20041
Source: 1997 AACS.

R 408.20042
Source: 1997 AACS.

R 408.20043
Source: 1997 AACS.

PART 5. WORKMEN'S COMPENSATION AGENCIES

BUREAU OF WORKMEN'S COMPENSATION

R 408.20051
Source: 1997 AACS.

R 408.20052
Source: 1997 AACS.

R 408.20053
Source: 1997 AACS.

R 408.20054
Source: 1997 AACS.

R 408.20055
Source: 1997 AACS.

R 408.20056
Source: 1997 AACS.

R 408.20057
Source: 1997 AACS.

PART 6. EMPLOYMENT SECURITY AGENCIES

R 408.20061
Source: 1997 AACS.

R 408.20062
Source: 1997 AACS.

R 408.20063
Source: 1997 AACS.

R 408.20064
Source: 1997 AACS.

R 408.20065
Source: 1997 AACS.

PART 7. OTHER BOARDS AND COMMISSIONS

R 408.20071
Source: 1997 AACS.

R 408.20072
Source: 1997 AACS.

R 408.20073
Source: 1997 AACS.

R 408.20074
Source: 1997 AACS.

R 408.20075
Source: 1997 AACS.

R 408.20076
Source: 1997 AACS.

R 408.20077
Source: 1997 AACS.

R 408.20078
Source: 1997 AACS.

R 408.20079
Source: 1997 AACS.

R 408.20080
Source: 1997 AACS.

R 408.20081
Source: 1997 AACS.

OCCUPATIONAL SAFETY AND HEALTH

PART 11. RECORDING AND REPORTING OF OCCUPATIONAL INJURIES AND ILLNESSES

R 408.22101
Source: 2001 AACS.

R 408.22102
Source: 2001 AACS.

R 408.22103
Source: 2002 AACS.

R 408.22104
Source: 1998-2000 AACS.

R 408.22105
Source: 2001 AACS.

R 408.22106
Source: 2001 AACS.

R 408.22107
Source: 2002 AACS.

R 408.22108
Source: 2001 AACS.

R 408.22109
Source: 2001 AACS.

R 408.22110
Source: 2001 AACS.

R 408.22111
Source: 2001 AACS.

R 408.22112
Source: 2002 AACS.

R 408.22113
Source: 2001 AACS.

R 408.22114
Source: 2001 AACS.

R 408.22115
Source: 2002 AACS.

R 408.22116
Source: 2001 AACS.

R 408.22117
Source: 2001 AACS.

R 408.22119
Source: 2001 AACS.

R 408.22120
Source: 2001 AACS.

R 408.22121
Source: 2001 AACS.

R 408.22122
Source: 2001 AACS.

R 408.22129
Source: 2001 AACS.

R 408.22130
Source: 2001 AACS.

R 408.22131
Source: 2001 AACS.

R 408.22132
Source: 2001 AACS.

R 408.22133
Source: 2001 AACS.

R 408.22134
Source: 2001 AACS.

R 408.22135
Source: 2002 AACS.

R 408.22136
Source: 2001 AACS.

R 408.22138
Source: 2001 AACS.

R 408.22139
Source: 2001 AACS.

R 408.22140
Source: 2001 AACS.

R 408.22141
Source: 2002 AACS.

R 408.22142
Source: 2001 AACS.

R 408.22143
Source: 2001 AACS.

R 408.22144
Source: 2001 AACS.

R 408.22151
Source: 2001 AACS.

R 408.22152
Source: 2001 AACS.

R 408.22153
Source: 2001 AACS.

R 408.22154
Source: 2001 AACS.

R 408.22155
Source: 2001 AACS.

R 408.22156
Source: 2001 AACS.

R 408.22157
Source: 2001 AACS.

R 408.22158
Source: 2001 AACS.

R 408.22161
Source: 2001 AACS.

R 408.22162
Source: 2001 AACS.

DEPARTMENT OF CONSUMER & INDUSTRY SERVICES

MIOSHA SAFETY AND HEALTH STANDARDS

PART 12. VARIANCES

R 408.22203
Source: 1998-2000 AACS.

R 408.22213
Source: 1998-2000 AACS.

R 408.22221
Source: 1998-2000 AACS.

R 408.22224
Source: 1998-2000 AACS.

R 408.22227

Source: 1998-2000 AACS.

R 408.22234

Source: 1998-2000 AACS.

R 408.22240

Source: 1998-2000 AACS.

**HEARINGS OFFICE
POLITICAL ACTIVITY HEARINGS**

R 408.22901

Source: 1981 AACS.

R 408.22902

Source: 1981 AACS.

WAGE AND FRINGE BENEFIT HEARINGS

R 408.22951

Source: 1982 AACS.

R 408.22952

Source: 1982 AACS.

R 408.22953

Source: 1982 AACS.

R 408.22954

Source: 1982 AACS.

R 408.22955

Source: 1982 AACS.

R 408.22956

Source: 1982 AACS.

R 408.22957

Source: 1982 AACS.

R 408.22958

Source: 1982 AACS.

R 408.22959

Source: 1982 AACS.

R 408.22960

Source: 1982 AACS.

R 408.22961

Source: 1982 AACS.

R 408.22962

Source: 1982 AACS.

R 408.22963

Source: 1982 AACS.

R 408.22964
Source: 1982 AACS.

R 408.22965
Source: 1982 AACS.

R 408.22966
Source: 1982 AACS.

R 408.22967
Source: 1982 AACS.

R 408.22968
Source: 1982 AACS.

R 408.22969
Source: 1982 AACS.

R 408.22970
Source: 1982 AACS.

R 408.22971
Source: 1982 AACS.

BUILDING OFFICIALS, PLAN REVIEWERS, AND INSPECTORS

R 408.30001
Source: 1991 AACS.

R 408.30004
Source: 1991 AACS.

R 408.30007
Source: 1991 AACS.

R 408.30010
Source: 1991 AACS.

R 408.30013
Source: 1991 AACS.

R 408.30016
Source: 1991 AACS.

R 408.30019
Source: 1991 AACS.

R 408.30022
Source: 1991 AACS.

R 408.30025
Source: 1991 AACS.

R 408.30028
Source: 1991 AACS.

R 408.30031
Source: 1991 AACS.

R 408.30034

Source: 1991 AACS.

R 408.30037

Source: 1998-2000 AACS.

R 408.30040

Source: 1991 AACS.

R 408.30043

Source: 1998-2000 AACS.

R 408.30046

Source: 1991 AACS.

R 408.30049

Source: 1991 AACS.

R 408.30052

Source: 1991 AACS.

R 408.30055

Source: 1991 AACS.

CONSTRUCTION CODE

PART 1. ADMINISTRATION AND ENFORCEMENT

R 408.30111

Source: 1981 AACS.

R 408.30114

Source: 1981 AACS.

PART 3. APPEAL BOARDS AND HEARINGS

R 408.30316

Source: 1987 AACS.

PART 4. BUILDING CODE

R 408.30401 Applicable code.

Rule 401. The provisions of the international building code, 2003 edition, including appendices F, G, and H, except for sections 104.8, 108.2 to 108.6, 112.2, 112.3, 114.3, 415.7.2.2 to 415.7.2.10, 415.7.3.1 to 415.7.3.5.2, table 1608.2, 2902 to 2902.6.2, 3006.5, the definition of "recreational vehicle" in Appendix G, and, IECC-2003, ICC EC-2003, IMC-2003, IPC-2003, IPSDC-2003 listed in chapter 35, and the provisions of the international residential code, 2003 edition, including appendices A, B, C, D, E, F, G, J, K, and L, except for sections R104.8, R108.2, R108.3, R108.4, R108.5, R112.3, N1101 to N1104.1, tables N1101.2, N1102.1, N1102.1.1.1(1), N1102.1.1.1(2), N1102.1.1.2, N1102.4, N1103.1, N1103.5, and N1104.1, sections P2503.8, P2709.2.1, AJ102.4, and IBC-2003, ICC EC-2003, IECC-2003, IMC-2003, IPC-2003, NFPA 70-02 listed in chapter 43 govern the construction, alteration, relocation, demolition, use, and occupancy of buildings and structures, and, with exceptions noted, the international building code and the international residential code are adopted by reference in these rules. All references to the International Building Code, International Residential Code, International Energy Conservation Code, International Electrical Code, International Existing Building Code, International Mechanical Code, and International Plumbing Code mean the Michigan Building Code, Michigan Residential Code, Michigan Uniform Energy Code, Michigan Electrical Code, Michigan Rehabilitation Code for Existing Buildings, Michigan Mechanical Code, and Michigan Plumbing Code respectively. The codes are available for inspection at the Okemos office of the Michigan

Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety. The codes may be purchased from the International Code Council, 5203 Leesburg Pike, Suite 600, Falls Church, VA 22041, or from the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan 48864, at a cost as of the time of adoption of these amendatory rules of \$65.00 and \$45.00, respectively.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1985 MR 7, Eff. July 30, 1985; 1988 MR 7, Eff. Aug. 10, 1988; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30402

Source: 2001 AACS.

408.30403

Source: 1998-2000 AACS.

R 408.30403a

Source: 1997 AACS.

R 408.30404 Approval.

Rule 404. Section 104.9 of the code is amended to read as follows:

104.9. Approved materials and equipment. Materials, equipment, and devices shall be constructed or installed in accordance with approvals granted under section 21 of 1972 PA 230, MCL 125.1521 or by the building official.

History: 1979 ACS 8, Eff. Dec. 16, 1981; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30405

Source: 2001 AACS.

R 408.30406 Rescinded.

History: 1979 ACS 8, Eff. Dec. 16, 1981; 1988 MR 7, Eff. Aug. 10, 1988; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; rescinded 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30407

Source: 1998-2000 AACS.

R 408.30408 Fees.

Rule 408. Section 108.1 of the code is amended to read as follows:

108.1. Payment of fees. The fees prescribed by section 22 of 1972 PA 230, MCL 125.1522, shall be paid to the enforcing agency of the jurisdiction before a permit to begin work for new construction, alteration, removal, demolition, or other building operation may be issued. In addition, an amendment to a permit necessitating an additional fee shall not be approved until the additional fee has been paid.

History: 1979 ACS 8, Eff. Dec. 16, 1981; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30409 Permit.

Rule 409. Sections 105.1.1, 105.1.2, and 105.2 of the code are amended to read as follows:

105.1.1. Annual permit. In place of an individual permit for each alteration to an already approved electrical, gas, mechanical, or plumbing installation, the enforcing agency is authorized to issue an annual permit upon application therefore to any person, firm, or corporation. The applicant shall be licensed in accordance with the requirements of 1956 PA 217, MCL 338.881 et seq., 1984 PA 192, MCL 338.971 et seq., or 2002 PA 733, MCL 338.3511 et seq.

105.1.2. Annual permit records. The person to whom an annual permit is issued shall keep a detailed record of alterations made under an annual permit. Access to the records shall be provided at all times and the records shall be filed with the enforcing agency.

105.2. Work exempt from permit. Exemptions from permit requirements of the code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of the code or any other laws or ordinances of this jurisdiction. Permits shall not be required for any of the following:

(a) Building permits shall not be required for any of the following:

- (i) One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11.15m²).
 - (ii) A fence that is not more than 6 feet (1829 mm) high.
 - (iii) Oil derricks.
 - (iv) A retaining wall that is not more than 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding class I, II or III-A liquids.
 - (v) A water tank supported directly upon grade if the capacity is not more than 5, 000 gallons (18 927 L) and the ratio of height to diameter or width is not greater than 2 to 1.
 - (vi) A sidewalk or driveway that is not more than 30 inches (762 mm) above grade and is not over any basement or story below and which are not part of an accessible route.
 - (vii) Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
 - (viii) Temporary motion picture, television and theater stage sets and scenery.
 - (ix) Prefabricated swimming pools accessory to a group R-3 occupancy, as applicable in section 101.2, which are less than 24 inches (610 mm) deep, do not exceed 5,000 gallons (19 000 L) and are installed entirely above ground.
 - (x) Shade cloth structures constructed for nursery or agricultural purposes and not including service systems.
 - (xi) Swings and other playground equipment accessory to 1- and 2-family dwellings.
 - (xii) Window awnings supported by an exterior wall which do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support of group R-3, as applicable in section 101.2 and group U occupancies.
 - (xiii) Movable cases, counters, and partitions.
 - (b) Electrical permits shall not be required for any of the following:
 - (i) Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.
 - (ii) Radio and television transmitting stations: The provisions of the code do not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for power supply and to the installation of towers and antennas.
 - (iii) Temporary testing systems: A permit is not required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.
 - (c) Mechanical permits shall not be required for any of the following:
 - (i) Portable gas heating appliance.
 - (ii) Replacement of any minor part that does not alter approval of equipment or make the equipment unsafe.
 - (iii) Portable heating appliance.
 - (iv) Portable ventilation equipment.
 - (v) Portable cooling unit.
 - (vi) Steam, hot or chilled water piping within any heating or cooling equipment regulated by the code.
 - (vii) Replacement of any part that does not alter its approval or make it unsafe.
 - (viii) Portable evaporative cooler.
 - (ix) Self-contained portable refrigeration unit that is not more than 1.5 horsepower (1119 W).
 - (d) Plumbing permits shall not be required for any of the following:
 - (i) The stopping of leaks in drains, water, soil, waste, or vent pipe. However, if any concealed trap, drainpipe, water, soil, waste, or vent pipe becomes defective and it becomes necessary to remove and replace the drain or pipe with new material, then the work is considered new work and a permit shall be obtained and inspection made as provided in the code.
 - (ii) The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, if the repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.
- History: 1979 ACS 8, Eff. Dec. 16, 1981; 1985 MR 7, Eff. July 30, 1985; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30410 Violations.

Rule 410. Section 113.4 of the code is amended to read as follows:

113.4. Violation penalties. It is unlawful for any person, firm, or corporation to violate a provision of the code or fail to conform with any of the requirements thereof, or erect, construct, alter, extend, repair, move, remove, demolish, or occupy any building, structure, or equipment regulated by the code, or cause work to be performed or done, in conflict with or in violation of the approved construction documents or directive of the enforcing agency, or a permit or certificate issued under the code. A violator shall be assessed a fine in accordance with section 23 of 1972 PA 230, MCL 125.1523.

History: 1979 ACS 8, Eff. Dec. 16, 1981; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30411 Stop-work order.

Rule 411. Section 114.2 of the code is amended to read as follows:

114.2. Notice to owner. Upon notice from the enforcing agency, work on any building or structure that is being done contrary to the code or in a dangerous or unsafe manner shall immediately cease. Notice shall be in accordance with section 12 of 1972 PA 230, MCL 125.1512. A person who is served with a stop work order, except for work that the person is directed to perform to remove a violation or unsafe condition is subject to the penalty provisions prescribed in section 23 of 1972 PA 230, MCL 125.1523.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30412 Certificate of use and occupancy.

Rule 412. Section 110.1 of the code is amended to read as follows:

110.1. Use and occupancy. A building or structure shall not be used or occupied, and a change in the existing occupancy classification of a building or structure or portion thereof shall not be made until a certificate of occupancy has been issued in accordance with section 13 of 1972 PA 230, MCL 125.1513.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30413

Source: 1997 AACCS.

R 408.30414 Means of Appeal.

Rule 414. Section 112.1 of the code is amended to read as follows:

112.1 Means of appeal. A person may appeal a decision of the enforcing agency to the board of appeals. An application for appeal shall be based on a claim that the true intent of the code or the rules governing construction have been incorrectly interpreted, the provisions of the code do not apply, or an equal or better form of construction is proposed. The application shall be filed in accordance with section 14 of 1972 PA 230, MCL 125.1514.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1985 MR 7, Eff. July 30, 1985; 1988 MR 7, Eff. Aug. 10, 1988; rescinded 1992 MR 10, Eff. Nov. 7, 1992; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30415

Source: 1997 AACCS.

R 408.30415a

Source: 2001 AACCS.

R 408.30415a Definitions.

Rule 415a. The definitions of building, registered design professional, and structure in section 202 of the code are amended to read as follows:

202. Definitions.

"Building" means a combination of materials, whether portable or fixed, forming a structure affording a facility or shelter for use or occupancy by persons, animals, or property. The term does not include a building incidental to the use for agricultural purposes of the land on which the building is located if it is not used in the business of retail trade. The term shall be construed as though followed by the words "or part or parts of the building and all equipment in the building" unless the context clearly requires a different meaning.

"Building official" means the person who is appointed and employed by a governmental subdivision charged with the administration and enforcement of the state code or codes and who is registered in accordance with the requirements of 1986 PA 54, MCL 338.2301 et seq.

"Registered design professional" means an individual who is licensed under article 20, 1980 PA 299, MCL 339.2001 et seq.

"Structure" means that which is built or constructed, an edifice or building of any kind, or a piece of work artificially built up or composed of parts joined together in some definite manner. Structure does not include a structure incident to the use for agricultural purposes of the land on which the structure is located and does not include works of heavy civil construction including without limitation any of the following:

- (a) A highway.
- (b) A bridge.

- (c) A dam.
- (d) A reservoir.
- (e) A lock.
- (f) A mine.
- (g) A harbor.
- (h) A dockside port facility.
- (i) An airport landing facility.
- (j) A facility for the generation, or transmission, or distribution of electricity.

Structure shall be construed as though followed by the words "or part or parts of the structure and all equipment in the structure," unless the context clearly indicates otherwise.

History: 1988 MR 12, Eff. Jan. 4, 1989; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. feb. 29, 2004.

R 408.30416 Area and height increases.

Rule 416. Section 406.3.6 of the code is amended to read as follows:

406.3.6. Area and height increases. The allowable area and height of open parking garages shall be increased in accordance with the provisions of this section. Garages with sides open on 3/4 of the building perimeter are permitted to be increased by 25% in area and 1 tier in height. Garages with sides open around the entire building perimeter are permitted to be increased 50% in area and 1 tier in height. For a side to be considered open under the provisions of this rule, the total area of openings along the side shall not be less than 50% of the interior area of the side at each tier, and such openings shall be equally distributed along the length of the tier.

Allowable tier areas in table 406.3.5 shall be increased for open parking garages constructed to heights less than the table maximum. The gross tier area of the garage shall not exceed that permitted for the higher structure. At least 3 sides of each such larger tier shall have continuous horizontal openings not less than 30 inches (762 mm) in clear height extending for at least 80% of the length of the sides, and no part of such larger tier shall be more than 200 feet (60 960mm) horizontally from such an opening. In addition, each such opening shall face a street or yard accessible to a street with a width of at least 30 feet (9144 mm) for the full length of the opening, and standpipes shall be provided in each such tier.

Open parking garages of type II construction, with all sides open, shall be unlimited in allowable area where the height does not exceed 75 feet (22 860 mm). For a side to be considered open, the total area of openings along the side shall not be less than 50% of the interior area of the side at each tier, and such openings shall be equally distributed along the length of the tier. All portions of tiers shall be within 200 feet (60 960 mm) horizontally from such openings.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; rescinded 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. feb. 29, 2004.

R 408.30417 High-rise buildings.

Rule 417. Sections 907.2.12 and 907.8.2 of the code are amended to read as follows:

907.2.12. High-rise buildings. Buildings having floors used for human occupancy located more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access shall be provided with an automatic fire alarm system and an emergency voice/alarm communication system in accordance with section 907.2.12.2.

Exceptions:

1. Airport traffic control towers in accordance with sections 412 and 907.2.22.
2. Open parking garages in accordance with section 406.3.
3. Buildings with an occupancy in group A-5.
4. Low-hazard special occupancies in accordance with section 503.1.2.
5. Buildings with an occupancy in group H-1, H-2, or H-3 in accordance with section 415.

907.8.2. High-rise buildings. In buildings used for human occupancy that have floors located more than 55 (16 764 mm) above the lowest level of fire department vehicle access, a separate zone by floor shall be provided for all of the following types of alarm-initiating devices where provided:

1. Smoke detectors.
2. Sprinkler water-flow devices.
3. Manual fire alarm boxes.
4. Other approved types of automatic fire detection devices or suppression systems.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; rescinded 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. feb. 29, 2004.

R 408.30418 Maximum floor area allowances per occupant.

**Annual Administrative Code Supplement
2004 Edition**

Rule 418. Table 1004.1.2 of the code is amended to read as follows:

Table 1004.1.2
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

OCCUPANCY	FLOOR AREA IN SQ. FT. PER OCCUPANT
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Assembly with fixed seats	See section 1004.7
Assembly without fixed seats	
Concentrated (chairs only-not fixed)	7 net
Standing space	5 net
Unconcentrated (tables and chairs)	15 net
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	100 gross
Courtrooms-other than fixed seating areas	40 net
Dormitories	50 gross
Educational	
Classroom area	20 net
Shops and other vocational room areas	50 net
Locker rooms	15 gross
Exercise rooms	50 gross
H-5 Fabrication and manufacturing areas	200 gross
Industrial areas	100 gross
Institutional areas	
Inpatient treatment areas	240 gross
Outpatient areas	100 gross
Sleeping areas	120 gross
Kitchens, commercial	200 gross
Library	
Reading rooms	50 net
Stack area	100 gross
Locker rooms	50 gross
Mercantile	
Areas on other floors	60 gross
Basement and grade floor areas	30 gross
Storage, stock, shipping areas	300 gross
Parking garages	200 gross
Residential	200 gross
Skating rinks, swimming pools	
Rink and pool	50 gross
Decks	15 gross
Stages and platforms	15 net
Accessory storage areas, mechanical equipment room	300 gross
Warehouses	500 gross

For SI: 1 square foot = 0.0929 m²

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; rescinded 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30419 Stadiums.

Rule 419. Section 1008.2.1 of the code is amended to read as follows:

1008.2.1. Stadiums. Panic hardware is not required on gates surrounding stadiums where such gates are under constant immediate supervision while public is present, and further provided that safe dispersal areas based on 3 square feet (0.28 m²) per occupant are located between the fence and enclosed space. Such required safe dispersal areas shall not be located less than 50 feet (15 240 mm) from the enclosed space.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; rescinded 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30420

Source: 1997 AACS.

R 408.30421 Emergency escape and rescue.

Rule 421. Section 1025.1 of the code is amended to read as follows:

1025.1 General. In addition to the means of egress required by this chapter, provisions shall be made for emergency escape and rescue in group R as applicable in section 101.2, classrooms greater than 250 feet² (23.2 m²) in group E, and group I-1 occupancies. Basements and sleeping rooms below the fourth story above grade plane shall have at least 1 exterior emergency escape and rescue opening in accordance with this section. Where basements contain 1 or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room, but shall not be required in adjoining areas of the basement. Such opening shall open directly into a public street, public alley, yard, or court.

Exceptions:

1. In other than group R-3 occupancies as applicable in section 101.2, buildings equipped throughout with an approved automatic sprinkler system in accordance with section 903.3.1.1 or 903.3.1.2.
2. In other than group R-3 occupancies as applicable in section 101.2, sleeping rooms provided with a door to a fire-resistance-rated corridor having access to 2 remote exits in opposite directions.
3. The emergency escape and rescue opening is permitted to open onto a balcony within an atrium in accordance with the requirements of section 404, provided the balcony provides access to an exit and the dwelling unit or sleeping unit has a means of egress that is not open to the atrium.
4. Basements with a ceiling height of less than 80 inches (2032 mm) shall not be required to have emergency escape and rescue windows.
5. High-rise buildings in accordance with section 403.
6. Emergency escape and rescue openings are not required from basements or sleeping rooms which have an exit door or exit access door that opens directly into a public street, public alley, yard, egress court, or to an exterior exit balcony that opens to a public street, public alley, yard, or egress court.
7. Basements without habitable spaces and having not more than 200 square feet (18.6 square meters) in floor area shall not be required to have emergency escape windows.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; rescinded 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30422

Source: 1997 AACS.

R 408.30423

Source: 1997 AACS.

R 408.30427 Barrier free design for buildings, structures, and improved areas.

Rule 427. Sections 1101.2 and 1109.7 of the code are amended and section 1103.2.15 is added to the code to read as follows:

1101.2 Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with this code and ICC A 117.1, except sections 611 and 707.

1109.7 Lifts. Platform (wheelchair) lifts are permitted to be a part of a required accessible route in new construction where indicated in items 1 to 7. Platform (wheelchair) lifts shall be installed in accordance with the Michigan elevator code, R 408.8101 to R 408.8695.

1. An accessible route to a performing area and speakers' platforms in occupancies in group A.

2. An accessible route to wheelchair spaces required to comply with the wheelchair space dispersion requirements of sections 1108.2.2 to 1108.2.4.
 3. An accessible route to spaces that are not open to the general public with an occupant load of not more than 5.
 4. An accessible route within a dwelling or sleeping unit.
 5. An accessible route to wheelchair seating spaces located in outdoor dining terraces in A-5 occupancies where the means of egress from the dining terraces to a public way are open to the outdoors.
 6. An accessible route to raised judges' benches, clerks' stations, jury boxes, witness stands, and other raised or depressed areas in a court.
 7. An accessible route where existing exterior site constraints make use of a ramp or elevator infeasible.
- 1103.2.15. Military, fire service, and police facilities. Housing, bathing, toilet, training, and storage areas intended for use and occupancy exclusively by military, fire service, police, or security personnel required to be physically agile are not required to be accessible.
- History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1985 MR 7, Eff. July 30, 1985; 1987 MR 3, Eff. Apr. 2, 1987; 1988 MR 7, Eff. Aug. 10, 1988; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4 Eff. feb. 29, 2004.

R 408.30427a

Source: 2001 AACS.

R 408.30427b

Source: 2001 AACS.

R 408.30427c

Source: 2001 AACS.

R 408.30427d

Source: 2001 AACS.

R 408.30427e

Source: 2001 AACS.

R 408.30428

Source: 1997 AACS.

R 408.30429

Source: 2001 AACS.

R 408.30429a Compliance.

Rule 429a. The code is amended by adding sections 3410.1 and 3410.2 as follows:

3410.1 Compliance. The provisions of this section are intended to maintain or increase the current degree of public safety, health, and general welfare in existing buildings while permitting repair, alteration, addition, and change of occupancy without requiring full compliance with chapters 2 through 33 of the code, or sections 3401.3 through 3407, except where compliance with other provisions of the code is specifically required in this section.

Exception: Buildings made to comply with the provisions of the Michigan rehabilitation code for existing buildings, R 408.30551 to R 408.30577, shall be deemed to comply with the requirements of the code.

3410.2 Applicability. Structures existing before November 6, 1974, in which work involving additions, alterations, or changes of occupancy shall be made to conform to the requirements of this section or the provisions of sections 3402 to 3406 of the code.

The provisions in sections 3410.2.1 to 3410.2.5 of the code shall apply to existing occupancies that will continue to be, or are proposed to be, in groups A, B, E, F, M, R, S, and U. These provisions shall not apply to buildings that have occupancies in group H or I.

History: 2002 MR 19, Eff. Oct. 31, 2002; 2004 MR 4, Eff. feb. 29, 2004.

R 408.30430

Source: 2001 AACS.

R 408.30431

Source: 1997 AACS.

R 408.30432

Source: 2001 AACS.

R 408.30433

Source: 1998-2000 AACS.

R 408.30434

Source: 1997 AACS.

R 408.30437 Truss design drawings.

Rule 437. Section 2303.4.1 of the code is amended to read as follows:

2303.4.1 Truss design drawings. Truss construction documents shall be prepared by a registered design professional and shall be provided to the building official and approved prior to installation. These construction documents shall include, at a minimum, the following information. Truss shop drawings shall be provided with the shipment of trusses delivered to the job site.

1. Slope or depth, span and spacing.
2. Location of joints.
3. Required bearing widths.
4. Design loads as applicable.
5. Top chord live load (including snow loads).
6. Top chord dead load.
7. Bottom chord live load.
8. Bottom chord dead load.
9. Concentrated loads and their points of application.
10. Controlling wind and earthquake loads.
11. Adjustments to lumber and metal connector plate design value for conditions of use.
12. Each reaction force and direction.
13. Metal connector plate type, size, thickness or gage, and the dimensioned location of each metal connector plate except where symmetrically located relative to the joint interface.
14. Lumber size, species, and grade for each member.
15. Connection requirements are required for all of the following:
 - a. Truss to truss girder.
 - b. Truss ply to ply.
 - c. Field species.
16. Calculated deflection ratio or maximum deflection for live and total load.
17. Maximum axial compression forces in the truss members to enable the building designer to design the size, connections, and anchorage of the permanent continuous lateral bracing. Forces shall be shown on the truss construction documents or on supplemental documents.
18. Required permanent truss member bracing location.

History: 1988 MR 7, Eff. Aug. 10, 1988; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30442

Source: 1997 AACS.

R 408.30443 Masonry. Rule 443. Section 1405.3.2 of the code is amended to read as follows:

1405.3.2. Masonry. Flashing and weep holes shall be located in the first course of masonry above finished ground level above the foundation wall or slab; at the heads of windows, doors, and other wall openings; at window sills and at other points of support including structural floors, shelf angles, and lintels where anchored veneers are designed in accordance with section 1405.5. Flashing shall extend to, or beyond, the finished face of the wall.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1985 MR 7, Eff. July 30, 1985; 1987 MR 3, Eff. Apr. 2, 1987; 1988 MR 7, Eff. Aug. 10, 1988; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4 Eff. Feb. 29, 2004.

R 408.30444. Water -resistive barrier.

Rule 444. Section 1404.2 of the code is amended to read as follows:

1404.2. Water-resistive barrier. A minimum of 1 layer of No. 15 asphalt felt, complying with ASTM D 226, as listed in chapter 43, for type 1 felt, shall be attached to the studs or sheathing, with flashing as described in section 1405.3, in such a manner as to provide a continuous water-resistive barrier behind the exterior wall veneer.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1987 MR 3, Eff. Apr. 2, 1987; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30445 Automatic sprinkler systems.

Rule 445. Section 903.2.10.3 of the code is amended to read as follows:

903.2.10.3. Buildings more than 30 feet in height. An automatic sprinkler system shall be installed throughout a building that has a floor level which has an occupant load of 30 or more occupants and which is located 30 feet or more above the lowest level of fire department vehicle access.

Exceptions:

1. Airport control towers.
2. Open parking structures.
3. Occupancies in group F-2.
4. Existing buildings having occupied floor levels not more than 55 feet in height above the lowest level of fire department vehicle access, where the local unit of government complies with the following parameters:
 - 4.1. The local unit of government having a municipal fire department with an ISO rating of 3 or lower, employing a full time career fire fighting staff.
 - 4.2. The governing body of the local unit of government has passed a resolution affirming the use of this exception and filed that resolution with the department of labor & economic growth, bureau of construction codes and fire safety.

History: 1954 ACS 79, Eff. Nov. 6, 1974; 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1987 MR 3, Eff. Apr. 2, 1987; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30446

Source: 1997 AACS.

R 408.30447 Smokeproof enclosures.

Rule 447. Section 1019.1.8 of the code is amended to read as follows:

1019.1.8. Smokeproof enclosures. In buildings required to comply with section 403 or 405 of the code, each of the exits of a building that serves stories where the floor surface is located more than 55 feet (16,764 mm) above the lowest level of fire department vehicle access or more than 30 feet (9,144 mm) below the level of exit discharge serving such floor levels shall be a smokeproof enclosure or pressurized stairway in accordance with section 909.20 of the code.

History: 1979 ACS 8, Eff. Dec. 16, 1981; 1985 MR 7, Eff. July 30, 1985; 1988 MR 7, Eff. Aug. 10, 1988; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30448

Source: 2001 AACS.

R 408.30448a

Source: 1997 AACS.

R 408.30448b

Source: 1997 AACS.

R 408.30448c

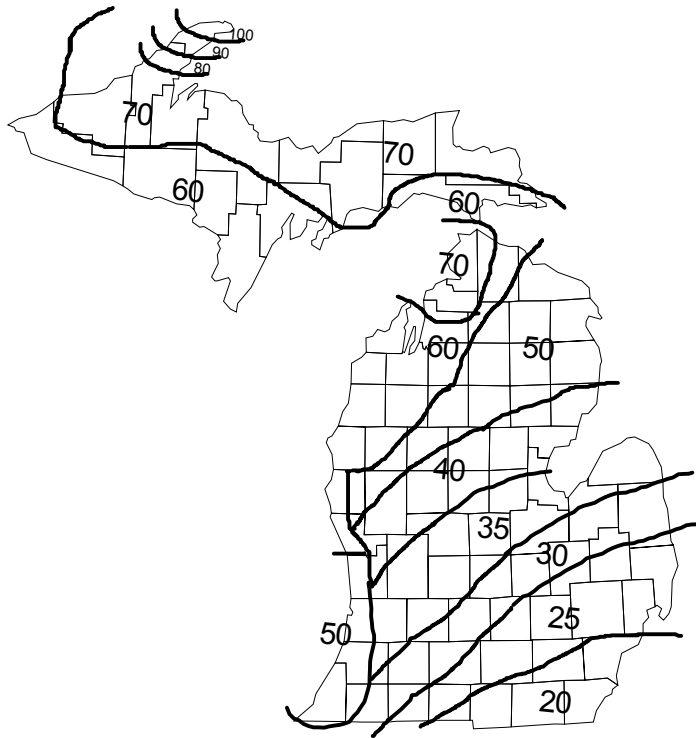
Source: 1997 AACS.

R 408.30448d Ground snow loads.

Rule 448d. Figure 1608.2 of the code is amended to read as follows:

FIGURE 1608.2

Ground Snow Loads



History: 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30449 Frost protection.

Rule 449. Section 1805.2.1 of the code is amended to read as follows:

1805.2.1. Frost protection. Except where otherwise protected from frost, foundation walls, piers, and other permanent supports of buildings and structures shall be protected from frost by at least one of the following methods:

1. Extending not less than 42 inches below finish grade.
2. Constructing in accordance with ASCE-32 listed in chapter 35.
3. Erecting on solid rock.

Exceptions:

1. Free-standing buildings meeting all of the following conditions shall not be required to be protected:
 - a. Classified in importance category I (see table 1604.5).
 - b. Area of 400 square feet (37 m²) or less.
 - c. Eave height of 10 feet (3048 mm) or less.
2. Upon evidence of the existence of any of the following conditions, the building official may modify the footing depth accordingly:
 - a. Freezing temperatures.
 - b. Soil type.
 - c. Groundwater conditions.
 - d. Snow depth experience.
 - e. Exposure to the elements.
 - f. Other specific conditions identified by the building official that may affect the foundation system.

Footings shall not bear on frozen soil unless such frozen condition is of a permanent character.

History: 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1985 MR 7, Eff. July 30, 1985; 1988 MR 7, Eff. Aug. 10, 1988; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30449a
Source: 1997 AACS.

R 408.30451e
Source: 1998-2000 AACS.

R 408.30451a
Source: 1997 AACS.

R 408.30451b
Source: 1997 AACS.

R 408.30451c
Source: 2001 AACS.

R 408.30451d
Source: 1997 AACS.

R 408.30451e
Source: 1995 AACS.

R 408.30452
Source: 1997 AACS.

R 408.30453
Source: 2001 AACS.

R 408.30454
Source: 1998-2000 AACS.

R 408.30455
Source: 1998-2000 AACS.

R 408.30456
Source: 1998-2000 AACS.

R 408.30457
Source: 2001 AACS.

R 408.30458 Elevators and conveying systems.

Rule 458. Sections 3001.1, 3001.2, 3001.4, 3002.5, 3002.6, 3003.2, 3004.5, and 3004.6 of the code are amended and sections 3001.2.1 and 3001.2.2 are added to the code to read as follows:

3001.1. Scope. The design, construction, installation, alteration, and repair of elevators and conveying systems and their equipment shall conform with the requirements of the Michigan elevator laws and rules, MCL 408.801 et seq., MCL 338.2151 et seq., and

R 408.8101 to R 408.8695 and this chapter. Installation or construction in flood hazard areas established in section 1612.3 shall comply with ASCE 24 listed in chapter 35.

3001.2. Other devices. Other devices shall conform to the requirements of sections 3001.2.1 and 3001.2.2 of the code.

3001.2.1. Conveyors. Conveyors and related equipment shall conform to the requirements of ASME B20.1 listed in chapter 35.

3001.2.2. Automotive lifts. Automotive lifts shall conform to the requirements of ALI ALCTV listed in chapter 35.

3001.4. Change in use. A change in use of an elevator from freight to passenger, passenger to freight, or from 1 freight class to another freight class shall comply with the requirements of the Michigan elevator code, R 408.8101 to R 408.8695.

3002.5. Emergency doors. Where an elevator is installed in a single blind hoistway or on the outside of a building, there shall be installed in the blind portion of the hoistway or blank face of the building, an emergency door in accordance with the requirements of the Michigan elevator code, R 408.8101 to R 408.8695.

3002.6. Prohibited doors. Doors, other than hoistway doors and the elevator car door, shall be prohibited at the point of access to an elevator car.

3003.2 Fire-fighters' emergency operation. Elevators shall be provided with phase I emergency recall operation and phase II emergency in-car operation in accordance with the requirements of the Michigan elevator code, R 408.8101 to R 408.8695.

3004.5. Plumbing and mechanical systems. Plumbing and mechanical systems shall not be located in an elevator shaft.

Exception: Floor drains, sumps, and sump pumps exclusively for draining the elevator pit shall be permitted at the base of the shaft provided they are indirectly connected to the plumbing system.

3004.6. Construction at bottom of hoistway. Pits extending to the ground shall have noncombustible floors and be designed as to prevent entry of ground water into the pit. The pit floor of any hoistway not extending to the ground shall be of fire-resistive construction having a fire-resistance rating at least equal to that required for the hoistway enclosure.

History: 1988 MR 7, Eff. Aug. 10, 1988; 1992 MR 10, Eff. Nov. 7, 1992; 1995 MR 5, Eff. May 18, 1995; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30459

Source: 1997 AACCS.

R 408.30460

Source: 1997 AACCS.

R 408.30461 Rescinded.

History: 1954 ACS 89, Eff. Nov. 13, 1976; 1954 ACS 101, Eff. Nov. 21, 1979; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1987 MR 3, Eff. Apr. 2, 1987; rescinded 1988 MR 7, Eff. Aug. 10, 1988; 2001 MR 8, Eff. Jul. 31, 2001; rescinded 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30475 Existing structures.

Rule 475. Sections 3409.1, 3409.3, 3409.5, 3409.6, and 3409.7.2 of the code are amended to read as follows:

3409.1. Scope. The provisions of sections 3409.2 to 3409.8.5 of the code apply to the maintenance, change of occupancy, additions, and alterations to existing buildings, including those identified as historic buildings in accordance with 1966 PA 1, MCL 125.1351 et seq.

3409.3. Change of occupancy. Unless technically infeasible, section 3409.5 of the code shall be applied in accordance with 1966 PA 1, MCL 125.1351 et seq.

3409.5. Alterations. A building, facility, or element that is altered shall comply with the applicable provisions in chapter 11 of the code and ICC/ANSI A117.1 listed in chapter 35, unless technically infeasible. When compliance with this section is technically infeasible, then the alteration shall provide access to the maximum extent technically feasible.

Exceptions:

1. The altered element or space is not required to be on an accessible route, unless required by section 3409.6 of the code.
2. Accessible means of egress required by chapter 10 of the code are not required to be provided in existing buildings and facilities.
3. Buildings, structures, or improved areas which exist on or before the effective date of these rules and which are in compliance with the code at the time of the issuance of the certificate of occupancy unless the alteration specifically modifies an area covered by sections 3409.6 to 3409.8.5 of the code.
- 3409.6. Alterations affecting an area containing a primary function. When an alteration affects the accessibility to, or contains an area of primary function, then the route to the primary function area shall be accessible. The accessible route to the primary function shall include accessible toilets and drinking fountains serving the area of the primary function.

Exceptions:

1. The costs of providing the accessible route is not required to exceed 20% of the costs of the alterations affecting the area of primary function.
2. This section does not apply to alterations limited solely to windows, hardware, operating controls, electrical outlets, and signs.
3. This section does not apply to alterations limited solely to mechanical systems, electrical systems, the installation or alteration of fire-protection systems, and the abatement of hazardous materials.
4. This section does not apply to alterations undertaken for the primary purpose of increasing the accessibility of an existing building, facility, or element.

3409.7.2. Elevators. Altered elements of existing elevators shall comply with the Michigan elevator code, R 408.8101 to R 408.8695 and ICC A 117.1. Such elements shall also be altered in elevators programmed to respond to the same hall call control as the altered elevator.

History: 1985 MR 7, Eff. July 30, 1985; 1988 MR 7, Eff. Aug. 10, 1988; 1995 MR 5, Eff. May 18, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30476

Source: 2001 AACS.

R 408.30495

Source: 2001 AACS.

R 408.30495a Rescinded.

History: 1985 MR 7, Eff. July 30, 1985; 1988 MR 7, Eff. Aug. 10, 1988; 1995 MR 5, Eff. May 18, 1995; rescinded 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30495b

Source: 1997 AACS.

R 408.30495c

Source: 1997 AACS.

R 408.30495d

Source: 1997 AACS.

R 408.30495e

Source: 1997 AACS.

R 408.30495f

Source: 1997 AACS.

R 408.30495g

Source: 1997 AACS.

R 408.30495h

Source: 1997 AACS.

R 408.30495i

Source: 1997 AACS.

R 408.30495j

Source: 1997 AACS.

R 408.30495k

Source: 1997 AACS.

R 408.30497

Source: 2001 AACS.

R 408.30499 Adoption of standards by reference; referenced codes.

Rule 499. Chapter 35 of the code is amended to add the following referenced codes, which are available from the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan 48864:

- | | |
|----------------------------------|--|
| (a) Michigan Electrical Code | R 408.30801 et seq., of the Michigan Administrative Code. |
| (b) Michigan Mechanical Code | R 408.30901a et seq., of the Michigan Administrative Code. |
| (c) Michigan Plumbing Code | R 408.30701 et seq., of the Michigan Administrative Code. |
| (d) Michigan Uniform Energy Code | R 408.31061 et seq., of the Michigan Administrative Code. |
| (d) Michigan Elevator Code | R 408.8101 et seq., of the Michigan Administrative Code. |

History: 1985 MR 7, Eff. July 30, 1985; 1988 MR 7, Eff. Aug. 10, 1988; 1995 MR 5, Eff. May 18, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30499a

Source: 2001 AACS.

RESIDENTIAL CODE

R 408.30501

Source: 2001 AACS.

R 408.30502

Source: 2001 AACS.

R 408.30503 Approved materials and equipment.

Rule 503. Sections R104.9 of the code is amended to read as follows:

R104.9. Approved materials and equipment. Materials, equipment, and devices shall be constructed or installed in accordance with approvals granted under section 21 of 1972 PA 230, MCL 125.1521 or by the building official.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30504

Source: 2001 AACS.

R 408.30505 Work exempt from permit.

Rule 505. Section R105.2 of the code is amended to read as follows:

R105.2. Work exempt from permit. Exemption from the permit requirements of the code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of the code or any other laws or ordinances of this jurisdiction. Permits are not required for any of the following:

(a) Building permits shall not be required for any of the following:

(i) One-story detached accessory structures, if the floor area does not exceed 200 square feet (18.58 m²).

(ii) A fence that is not more than 6 feet (1829 mm) high.

(iii) A retaining wall that is not more than 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.

(iv) A water tank supported directly upon grade if the capacity is not more than 5,000 gallons (18 927 L) and the ratio of height to diameter or width is not greater than 2 to 1.

(v) A sidewalk or driveway that is not more than 30 inches (762 mm) above adjacent grade and is not over any basement or story below.

(vi) Painting, papering, tiling, carpeting, cabinets, counter tops, and similar finish work.

(vii) A prefabricated swimming pool that is less than 24 inches (610 mm) deep.

(viii) Swings and other playground equipment accessory to a 1- or 2-family dwelling.

(ix) Window awnings supported by an exterior wall which do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.

(b) Electrical permits shall not be required for the following;

Repairs and maintenance: A permit is not required for minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

(c) Mechanical permits shall not be required for any of the following:

(i) Portable heating, cooking, or clothes drying appliances.

(ii) Replacement of any minor part that does not alter approval of equipment or make the equipment unsafe.

(iii) A portable heating appliance.

(iv) A portable ventilation appliance.

(v) A portable cooling unit.

(vi) Steam, hot or chilled water piping within any heating or cooling equipment regulated by the code.

(vii) Replacement of any minor part that does not alter approval of equipment or make the equipment unsafe.

(viii) A portable evaporative cooler.

(ix) A self-contained portable refrigeration unit that is not more than 1.5 horsepower (1119 W).

(x) Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

(xi) Gas piping limited to 10 feet (3048 mm) in length and not more than 6 fittings.

(d) Plumbing permits shall not be required for any of the following:

(i) The stopping of leaks in drains, water, soil, waste or vent pipe; if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, then the work is considered as new work and a permit shall be obtained and inspection made as provided in the code.

(ii) The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, if the repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30506 Submittal documents.

Rule 506. Sections R106.1 and R802.10.1 of the code are amended and section R106.1.4 and figure 802.10.1 are added to the code to read as follows:

R106.1. Submittal documents. Construction documents, special inspection and structural program and other data shall be submitted in 1 or more sets with each application for a permit. The construction documents shall be prepared by or under the direct supervision of a registered design professional when required by article 20 of 1980

PA 299, MCL 339.101 et seq., and known as the Michigan occupational code. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional.

R106.1.4. Truss design data. As an alternative to the submission of truss design drawings, the truss design data sheet may be provided to the building official as part of the construction documents at the time of application. Truss design drawings shall be submitted to the building official prior to truss installation as required by section R802.10.1.

R802.10.1 Truss design drawings. Truss design drawings, prepared in conformance with section R802.10.1, shall be provided to the building official and approved prior to installation. The truss design data sheet, figure R802.10.1, may be provided to the building official at the time of permit application, as an alternative to design drawings as permitted in section R106.1.4. Truss design drawings shall include, at a minimum, the information specified below. Truss design drawings shall be provided with the shipment of trusses delivered to the jobsite.

1. Slope or depth, span, and spacing.
2. Location of all joints.
3. Required bearing widths.
4. Design loads as applicable.
 - a. Top chord live load (including snow loads).
 - b. Top chord dead load.
 - c. Bottom chord live load.
 - d. Bottom chord dead load.
 - e. Concentrated loads and their points of application.
 - f. Controlling wind and earthquake loads.
5. Adjustments to lumber and joint connector design values for conditions of use.
6. Each reaction force and direction.
7. Joint connector type and description (e.g., size, thickness, or gauge) and the dimensioned location of each joint connector except where symmetrically located relative to the joint interface.
8. Lumber size, species, and grade for each member.
9. Connection requirements for the following:
 - a. Truss to truss girder.
 - b. Truss ply to ply.
 - c. Field splices.
10. Calculated deflection ratio and/or maximum description for live and total load.
11. Maximum axial compression forces in the truss members to enable the building designer to design the size, connections, and anchorage of the permanent continuous lateral bracing. Forces shall be shown on the truss design drawing or on supplemental documents.
12. Required permanent truss member bracing location.

**Annual Administrative Code Supplement
2004 Edition**

Roof Loading Data Sheet

Authority: 1972 PA 230

Completion:

Jurisdictional information should be included in this space

Completed prior to application for plan review and building permit. This form is a voluntary form used to assist in the permit approval process.

Applicant's Name:		Date:
Applicant's Address:		Permit Number:
City:	State:	Zip:
Applicant's Signature:		
Job Location:		
Address:		
Township/Village/City:		County:

THIS FORM SHOULD BE COMPLETED BY THE PERMIT APPLICANT, OR DESIGN PROFESSIONAL FOR C_e, C_t, AND I, PLACE AN "X" IN THE APPROPRIATE BOX THAT BEST DESCRIBES THE STRUCTURE.

Ground Exposure, P_g = _____

From Figure R301.2(5) MRC or Figure 1608.2 MBC

Exposure Factor C _e							
Exposure		Fully Exposed ¹		Partially Exposed ²		Sheltered ³	
A	Large city center with at least 1/2 the buildings exceeding 70 ft. in height.	N/A		1.1		1.3	
B	Urban and suburban areas, wooded areas or other terrain with closely spaced objects having the size of single-family dwellings or larger.	0.9		1		1.2	
C	Open terrain with scattered obstructions having heights less than 30 ft. (flat open country)	0.9		1		N/A	
D	Flat unobstructed areas exposed to wind flowing over open water for a distance of at least 1 mile. (i.e. Great Lakes.)	0.8		0.9		N/A	

¹Fully Exposed: Roofs exposed on all sides with no shelter by terrain, higher structures, or trees.

²Partially Exposed: All roofs except those designated as "fully exposed" or "sheltered."

³Sheltered: Roofs located tight among conifers that qualify as obstructions.

Thermal Factor C_t

Thermal Condition ⁴	C _t
All structures except as listed below	1
Structures kept just above freezing and those with cold, ventilated roofs with an R factor of 25 or greater between the ventilated and heated spaces, such as attics	1.1
Unheated structures and those intentionally kept below freezing, such as seasonal building or storage buildings	1.2
Continuously heated greenhouse with a roof R Value less than 2 and having an interior temperature maintained at about 50 degrees 3 ft above the floor during winter months and a temperature alarm system or an attendant to warn of a heating failure.	0.85

⁴These conditions shall be representative of the anticipated conditions during winter months for the life of the structure

Importance Factor

Category	I
I Building and other structures representing low hazard to human life, i.e.: Agricultural, Temporary, and Minor Storage Facilities.	0.8
II All buildings except those listed in Categories III and IV.	1
III Building and other structures representing substantial hazard to human life in the event of failure.	1.1
IV Buildings and other structures designated as essential facilities.	1.2

Attic Live Load

Entire Attic	Y/N
Specific Areas (if yes, list areas below)	Y/N

List Rooms:

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30507

Source: 2001 AACS.

R 408.30508 Payment of fees.

Rule 508. Section R108.1 of the code is amended to read as follows:

R108.1. Fees. The fees prescribed in section 22 of 1972 PA 230, MCL 125.1522 shall be paid to the enforcing agency of the jurisdiction before a permit to begin work for new construction, alteration, removal, demolition, or other building operation may be issued. In addition, an amendment to a permit necessitating an additional fee shall not be approved until the additional fee is paid.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30509

Source: 2001 AACS.

R 408.30510 Use and occupancy.

Rule 510. Sections R110.1 and R110.2 of the code are amended to read as follows:

R110.1. Use and occupancy. A building or structure shall not be used or occupied, and a change in the existing occupancy classification of a building or structure or portion thereof shall not be made until a certificate of occupancy has been issued in accordance with section 13 of 1972 PA 230, MCL 125.1513.

R110.2. Change in use. A change in the character or use of an existing structure shall not be made, except as specified in the Michigan building code, R 408.30401 to R 408.30499a.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30511 Violation penalties.

Rule 511. Section R113.4 of the code is amended to read as follows:

R113.4. Violation penalties. It is unlawful for any person, firm, or corporation to violate a provision of the code or fail to conform with any of the requirements thereof, or erect, construct, alter, extend, repair, move, remove, demolish, or occupy any building, structure, or equipment regulated by the code, or cause work to be performed or done in conflict with or in violation of the approved construction documents or directive of the enforcing agency, or a permit or certificate issued under the code. A violator shall be assessed a fine in accordance with section 23 of 1972 PA 230, MCL 125.1523.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30512 Notice to owner.

Rule 512. Section R114.1 of the code is amended to read as follows:

R114.1. Notice to owner. Upon notice from the enforcing agency, work on any building or structure that is being done contrary to the code or in a dangerous or unsafe manner shall immediately cease. The notice shall be in accordance with section 12 of 1972 PA 230, MCL 125.1512. Any person who is served with a stop work order, except for work that the person is directed to perform to remove a violation or unsafe condition is subject to the penalty provisions in section 23 of 1972 PA 230, MCL 125.1523.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30513 Definitions.

Rule 513. The definitions of building, registered design professional, and sunroom addition in section R202 of the code are amended, the definition of residential building type is deleted, and the definition of structure is added to section R202 to read as follows:

R202. Definitions.

"Building" means a combination of materials, whether portable or fixed, forming a structure affording a facility or shelter for use or occupancy by persons, animals, or property. The term does not include a building incidental to the use for agricultural purposes of the land on which the building is located if it is not used in the business of retail trade. The term shall be construed as though followed by the words "or part or parts of the building and all equipment in the building" unless the context clearly requires a different meaning.

"Registered design professional" means an individual who is licensed under article 20, 1980 PA 299, MCL 339.2001 et seq.

"Structure" means that which is built or constructed, an edifice or building of any kind, or a piece of work artificially built up or composed of parts joined together in some definite manner. Structure does not include a structure incident to the use for

agricultural purposes of the land on which the structure is located and does not include works of heavy civil construction including without limitation any of the following:

- (a) A highway.
- (b) A bridge.
- (c) A dam.
- (d) A reservoir.
- (e) A lock.
- (f) A mine.
- (g) A harbor.
- (h) A dockside port facility.
- (i) An airport landing facility.
- (j) A facility for the generation, or transmission, or distribution of electricity.

Structure shall be construed as though followed by the word "or part or parts of the structure and all equipment in the structure," unless the context clearly indicates otherwise.

"Sunroom addition" means a new structure with glazing in excess of 40% of the gross area of the structure's exterior walls and roof added to an existing dwelling.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30514 Means of appeal.

Rule 514. Section R112.1 of the code is amended to read as follows:

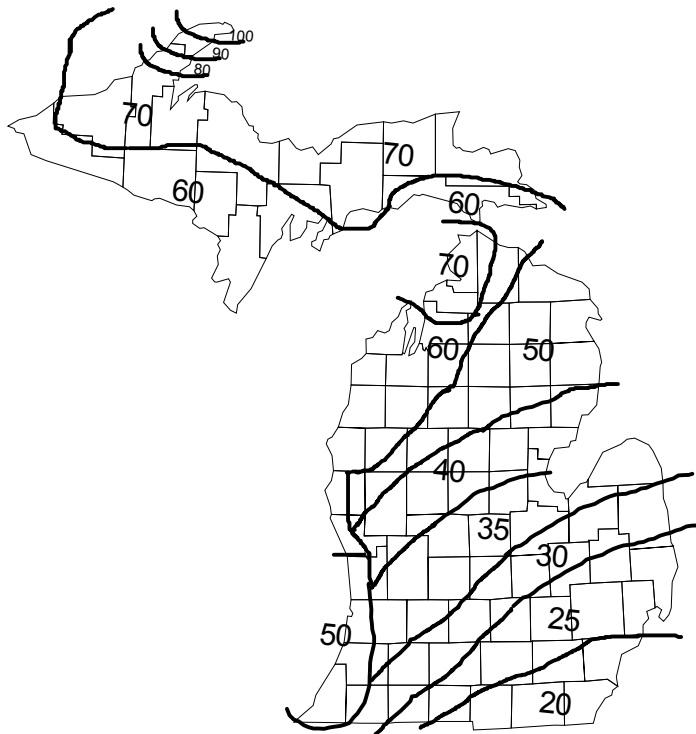
R112.1 Means of appeal. A person has the right to appeal a decision of the enforcing agency to the board of appeals. An application for appeal shall be based on a claim that the true intent of the code or the rules governing construction have been incorrectly interpreted, the provisions of the code do not apply, or an equal or better form of construction is proposed. The application shall be filed in accordance with section 14 of 1972 PA 230, MCL 125.1514.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30515 Ground snow loads.

Rule 515. Figure R301.2(5) of the code is amended to read as follows:

FIGURE R301.2(5)
Ground Snow Load P_g for Michigan (lb/ft²)



History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30516

Source: 2001 AACs.

R 408.30517 Rescinded.

History: 2001 MR 8, Eff. Jul. 31, 2001; rescinded 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30518 Modular ramps.

Rule 518. Section R311.6.4 is added to the code to read as follows:

R311.6.4 Modular ramps. Modular ramp systems approved pursuant to section 21 of 1972 PA 230, MCL 125.1521 are not required to comply with the requirements of section R403.1.4 of the code.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30519 Treads and risers.

Rule 519. Sections R311.5.3.1 and R 311.5.3.2 of the code are amended to read as follows:

R311.5.3.1. Riser height. The maximum riser height shall be 8 1/4 inches (210 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm)

R311.5.3.2. Tread depth. The minimum tread depth shall be 9 inches (229 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the greatest winder tread depth at the 12-inch (305 mm) walk line shall not exceed the smallest by more than 3/8 inch (9.5 mm).

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30520 Doors.

Rule 520. Section R311.4.2 of the code is amended and section R311.4.2.1 is added to the code to read as follows:

R311.4.2. Type and size. The required exit door shall be a side-hinged door not less than 3 feet (914 mm) in width and 6 feet, 8 inches (2032 mm) in height. Other exterior hinged or sliding doors shall not be less than 24 inches in width and 6 feet, 6 inches in height.

R311.4.2.1. Interior doors. Interior doors shall be not less than 24 inches in width and 6 feet, 6 inches in height.

Exception: Doors to areas less than 10 square feet of floor area.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30521 Elevation requirements.

Rule 521. Section R323.2.1 of the code is amended to read as follows:

R323.2.1. Elevation requirements. (1) Buildings and structures shall have the lowest floor elevated 1 foot above the design flood elevation.

(2) In areas of shallow flooding (AO zones), buildings and structures shall have the lowest floor (including basement) elevated at least as high above the highest adjacent grade as the depth number specified in feet (mm) on the FIRM, or not less than 2 feet

(51 mm) if a depth number is not specified.

(3) Basement floors that are below grade on all sides shall be elevated to or above the design flood elevation.

Exception: Enclosed areas below the design flood elevation, including basements that have floors which are not below grade on all sides, shall meet the requirements of section R323.2.2 of the code.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30522 Minimum depth.

Rule 522. Section R403.1.4 of the code is amended to read as follows:

R403.1.4. Minimum depth. All exterior footings and foundation systems shall extend 42 inches below actual grade.

Exceptions:

1. Frost-protected footings constructed in accordance with section R403.3 of the code and footings and foundations erected

on solid rock shall not be required to extend below the frost line.

2. The footings in detached accessory structures not exceeding 400 square feet in area (37.16 m²) or 10 feet in height (3048 mm) shall extend 12 inches (305 mm) below grade to undisturbed soil or soils of sufficient bearing capacity. All vegetation and topsoil shall be removed for placement of accessory structures.

3. Upon evidence of the existence of any of the following conditions, the building official may modify the footing depth accordingly:

(a) Freezing temperatures (freezing degree days).

(b) Soil type.

(c) Ground water conditions.

(d) Snow depth experience.

(e) Exposure to the elements.

(f) Other specific conditions identified by the building official that may affect the foundation system.

4. Constructed in accordance with section R403.3.

5. Constructed in accordance with ASCE 32-01 as listed in chapter 43.

6. Decks not supported by a dwelling need not be provided with footings that extend below the frost line.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30523 Rescinded.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30524 Michigan uniform energy code.

Rule 524. Buildings shall be designed and constructed in accordance with the Michigan uniform energy code part 10 rules, R 408.31001 to R 408.31099.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30525

Source: 2001 AACS.

R 408.30526 Sizing.

Rule 526. Section M1401.3 of the code is amended to read as follows:

M1401.3. Sizing. Heating and cooling equipment shall be sized based on building loads calculated in accordance with the provisions of ACCA Manual J-1987, as listed in chapter 43 or other approved heating and cooling calculation methodologies. Ductwork shall be sized in accordance with the provisions of ACCA Manual D-1995, as listed in chapter 43.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30527

Source: 2001 AACS.

R 408.30528

Source: 2001 AACS.

R 408.30529

Source: 2001 AACS.

R 408.30530

Source: 2001 AACS.

R 408.30531 Solvent cementing.

Rule 531. Section P2904.8.1 is added to the code to read as follows:

P2904.8.1. Solvent cementing. Joint surfaces shall be clean and free from moisture and an approved primer shall be applied. Solvent cement, orange in color and conforming to ASTM F 493, as listed in chapter 43, shall be applied to all joint surfaces. The joint shall be made while the cement is wet and in accordance with ASTM D 2846 or ASTM F 493 as listed in chapter 43. Solvent-cement joints shall be permitted above or below ground.

Exception: A primer is not required where all of the following conditions apply:

a. The solvent cement used is third-party certified as conforming to ASTM F 493 as listed in chapter 43.

b. The solvent cement used is yellow in color.

c. The solvent cement is used only for joining 1/2 inch (12.7 mm) through 2-inch (51 mm) diameter CPVC pipe and fittings.

d. The CPVC pipe and fittings are manufactured in accordance with ASTM D 2846 as listed in chapter 43.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30532

Source: 2001 AACS.

R 408.30533

Source: 2001 AACS.

R 408.30534 Individual venting required.

Rule 534. Section P3106.2 is added to the code to read as follows:

P3106.2. Individual venting required. When fixtures other than water closets discharge into a 3-inch horizontal branch downstream from a water closet, then each fixture connected to the branch within 54 inches (1371.6 mm) downstream of the water closet flange shall be vented individually.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30535

Source: 2001 AACS.

R 408.30536 General

Rule 536. Sections E3301.1 and E 3301.2 of the code are amended to read as follows:

E3301.1. Applicability. The provisions of chapters 33 to 42 of the code shall establish the general scope of the electrical system and equipment requirements of the code. Chapters 33 to 42 of the code cover those wiring methods and materials most commonly encountered in the construction of 1- and 2-family dwellings and structures regulated by the code. Other wiring methods, materials, and subject matter covered in the Michigan electrical code, R 408.30801 to R 408.30880 are also allowed by the code.

E3301.2. Scope. Chapters 33 to 42 of the code shall cover the installation of electrical systems, equipment, and components indoors and outdoors that are within the scope of the code, including services, power distribution systems, fixtures, appliances, devices, and appurtenances. Services within the scope of the code shall be limited to 120/240 volt, 0- to 400-ampere, single-phase systems. These chapters specifically cover the equipment, fixtures, appliances, wiring methods, and materials that are most commonly used in the construction or alteration of 1- and 2-family dwellings and accessory structures regulated by the code. The omission from these chapters of any material or method of construction provided by the Michigan electrical code, R 408.30801 to R 408.30880, shall not be construed as prohibiting the use of such material or method of construction. Electrical systems, equipment, or components not specifically covered in these chapters shall comply with the applicable provisions of the Michigan electrical code, R 408.30801 to R 408.30880.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30537 Separate outdoor electric space conditioning equipment.

Rule 537. Section E3501.6.3 is added to the code to read as follows:

E3501.6.3. Separate outdoor electric space conditioning equipment. A service disconnect for separately metered outdoor electric space conditioning equipment may be located immediately adjacent to the outdoor meter cabinet. A permanent plaque or directory shall be installed at each service disconnect location denoting the other services, feeders, and branch circuits supplying a building or structure and area served by each service, feeder, and branch circuit.

History: 2001 MR 8, Eff. Jul. 31, 2001; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30538

Source: 2001 AACS.

R 408.30539 Plastic pipe.

Rule 539. Sections P3003.3.6.1 and P3003.3.6.2 are added to the code to read as follows:

P3003.3.6.1. ABS plastic pipe. Solvent cement for ABS plastic pipe conforming to ASTM D 2235, as listed in chapter 43, shall be applied to all joint surfaces.

P3003.3.6.2 PVC plastic pipe. A primer complying with ASTM F 656, as listed in chapter 43, shall be applied to all PVC solvent-cemented joints. Solvent cement for PVC plastic pipe conforming to ASTM D 2564, as listed in chapter 43, shall be applied to all joint surfaces.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30540 Distance of trap from vent.

Rule 540. Section P3105.1 of the code is amended to read as follows:

P3105.1. Distance of trap from vent. Each fixture trap shall have a protecting vent located so that the slope and the developed length in the fixture drain from the trap weir to the vent fitting are within the requirements set forth in table P3105.1.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30541 Fuel burning appliances.

Rule 541. Section M1307.6 is added to the code to read as follows:

M1307.6. Fuel burning appliances. Fuel burning appliances shall not be installed within 10 feet (3048 mm) of a laundry chute.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30542 Duct insulation/floor register location.

Rule 542. Section M1601.3.4 of the code is amended and section M1601.3.9 is added to the code to read as follows:

M1601.3.4. Duct insulation. Duct insulation shall be installed in accordance with the following requirements:

1. A vapor retarder having a maximum permeance of 0.05 perm [(2.87 ng/(s · m² · Pa))] in accordance with ASTM E 96, as listed in chapter 43, or aluminum foil with a minimum thickness of 2 mils (0.051 mm), shall be installed on the exterior of insulation on cooling supply ducts that pass through nonconditioned spaces conducive to condensation.

2. Exterior duct systems shall be protected against the elements.

3. Duct coverings shall not penetrate a fireblocked wall or floor.

4. All portions of the air distribution system shall be installed in accordance with section M1601 and be insulated to an installed R-5 when system components are located within the building but outside the conditioned space, and R-8 when located outside to the building. When located within a building envelope assembly, at least R-8 shall be applied between the duct and that portion of the assembly farthest from conditioned space.

Exception: Exhaust air ducts and portions of the air distribution system within appliances or equipment.

M1601.3.9 Floor register location. Floor registers located in room or spaces containing water closets shall be located a minimum of 3 feet from the water closet.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30543 Boiler low-water cutoff.

Rule 543. Section M2002.5 of the code is amended to read as follows:

M2002.5. Boiler low-water cutoff. All steam and hot water boilers shall be protected with a low-water cutoff control. The low-water control shall automatically stop the combustion operation of the appliance when the water level drops below the lowest safe water level as established by the manufacturer. The low-water cut off on all low-pressure boilers shall be installed in accordance with ASME code section IV which is adopted by reference in these rules. The code is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan 48864, or from the American Society of Mechanical Engineers, Three Park Avenue, New York, New York, 10016-5990, at a cost as of the time of adoption of these amendatory rules of \$260.00.

A low-water cutoff shall be of the float or probe type or paddle-type non-reversing flow switch.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30544 Concrete and masonry foundation dampproofing.

Rule 544. Section R406.1 of the code is amended to read as follows:

R406.1. Concrete and masonry foundation dampproofing. Except where required to be waterproofed by section R406.2, foundation walls that retain earth and enclose habitable or usable spaces located below grade shall be dampproofed from the top of the footing to the finished grade. Masonry walls shall have not less than 3/8 inch (9.5 mm) Portland cement parging applied to the exterior of the wall. The parging shall be dampproofed with a bituminous coating, 3 pounds per square yard (1.63 kg/m²) of acrylic modified cement, 1/8-inch (3.2 mm) coat of surface-bonding mortar complying with ASTM C 887, as listed in chapter 43, or any material permitted for waterproofing in section R406.2. Concrete walls shall be dampproofed by applying any 1 of the above listed dampproofing materials or any 1 of the waterproofing materials listed in section R406.2 to the exterior of the wall.

Exception: Parging of unit masonry walls is not required where a material is approved for direct application to the masonry.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30545 Exterior covering.

**Annual Administrative Code Supplement
2004 Edition**

Rule 545. Sections R703.2, R703.6, and R703.8, and table R703.4 of the code are amended to read as follows:

R703.2. Weather-resistive sheathing paper. A minimum of one layer of No. 15 asphalt felt complying with ASTM D 226, as listed in chapter 43, for type 1 felt or other approved weather-resistive materials shall be applied over sheathing of all exterior walls. See table R703.4. Such felt or material shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51 mm). Where joints occur, felt shall be lapped not less than 6 inches (152 mm). Building paper or other approved material shall be continuous up to the underside of the rafter or truss top chord and terminated at penetrations and building appendages in such a manner to meet the requirements of the exterior wall envelope as described in section R703.1.

Exception: Such felt or material is permitted to be omitted in detached accessory buildings.

**Table R703.4
WEATHER-RESISTANT SIDING ATTACHMENT AND MINIMUM THICKNESS**

SIDING MATERIAL		NOMINAL THICKNESS ^a (INCHES)	JOINT TREATMENT	SHEATHING PAPER REQUIRED	TYPE OF SUPPORTS FOR THE SIDING MATERIAL AND FASTENERS ^{bcd}					
					Wood or Wood Structural Panel sheathing	Fiberboard Sheathing Into stud	Gypsum Sheathing Into stud	Foam Plastic Sheathing Into stud	Direct to studs	Number or Spacing of fasteners
Horizontal Aluminum ^e	Without Insulation	0.019 ^f	Lap	Yes	0.120 nail 1½" long	0.120 nail 2" long	0.120 2" long	0.120 nail ^z	Not allowed	Same as stud spacing
		0.024	Lap	Yes	0.120 nail 1½" long	0.120 nail 2" long	0.120 nail 2" long	0.120 nail ^z	Not allowed	
	With Insulation	0.019	Lap	Yes	0.120 nail 1½" long	0.120 nail 2½" long	0.120 nail 2½" long	0.120 nail ^z	0.120 nail 1½" long	
Hardboard ^l Panel siding-vertical		7/16	Note g	Yes	Note o	Note o	Note o	Note o	Note o	6" panel edges 12" inter. Sup. ^p
Hardboard ^l Lap-siding-horizontal		7/16	Note r	Yes	Note q	Note q	Note q	Note q	Note q	Same as stud spacing
Steel ⁱ		29ga.	Lap	Yes	0.113 nail 1¼" Staple-1¼"	0.113 nail 2¾" Staple-2½"	0.113 nail 2½" Staple-2¼"	0.113 nail ^z 2½" Staple ^z	Not allowed	Same as stud spacing
Particleboard panels		3/8-1/2	Note g	Yes	6d box nail	6d box nail	6d box nail	Box nail ^z	6d box nail, 3/8 not allowed	6" panel edge 12" inter. Sup.
		5/8	Note g	Yes	6d box nail	8d box nail	8d box nail	box nail ^z	6d box nail	
Plywood panel ^j (exterior grade)		3/8	Note g	Yes	0.099 nail-2"	0.113 nail-2½"	0.099 nail-2"	0.113 nail ^z Staple ^z	0.099 nail-2"	6" on edges
Vinyl Siding ⁿ		0.035	Lap	Yes	0.120 nail 1½" Staple-1¼"	0.120 nail 2" Staple-2½"	0.120 nail 2" Staple-2½"	0.120 nail ^z Staple ^z	Not allowed	Same as stud spacing
Wood ^k Rustic, drop		3/8 Min	Lap	Yes	Fastener penetration into stud-1"				0.113 nail-2½" Staple-2"	Face nailing up to 6" widths, 1 nail per bearing; 8" widths and over, 2 nails per bearing
Shiplap		19/32 Average	Lap	Yes						
Bevel		7/16								
Butt tip		3/16	Lap	Yes						

**Annual Administrative Code Supplement
2004 Edition**

Brick veneer Concrete masonry veneer	2 2	Section R703	Yes (Note m)	See Section R703 and Figure R703.7 ^h					
Stone veneer	2	Section R703	Yes (Note m)	See Section R703 and Figure R703.7 ^h					
Fiber cement panel siding ^s	5/16	Note t	Yes	6d corrosion resistant nail ^u	6d corrosion resistant nail ^u	6d corrosion resistant nail ^u		4 d corrosio n resistan t nail ^v	6" oc on edges, 12" oc on interme d. Studs
Fiber cement lap siding ^s	5/16	Note w	Yes Note y	6d corrosion resistant nail ^u	6d corrosion resistant nail ^u	6d corrosion resistant nail ^u		6d corrosio n resistan t nail ^x	Note x

For SI: 1" = 25.4 mm

- a. Based on stud spacing of 16 inches on center where studs are spaced 24 inches, siding shall be applied to sheathing approved for that spacing.
- b. Nail is a general description and shall be T-head, modified round head, or round head with smooth or deformed shanks.
- c. Staples shall have a minimum crown width of 7/16-inch outside diameter and be manufactured of minimum 16 gage wire.
- d. Nails or staples shall be aluminum, galvanized, or rust-preventative coated and shall be driven into the studs for fiberboard or gypsum backing.
- e. Aluminum nails shall be used to attach aluminum siding.
- f. Aluminum (0.019 inch) shall be unbacked only when the maximum panel width is 10 inches and the maximum flat area is 8 inches. The tolerance for aluminum siding shall be +0.002 inch of the nominal dimension.
- g. Sheathing paper required.
- h. All attachments shall be coated with a corrosion-resistive coating.
- i. Shall be of approved type.
- j. Three-eighths-inch plywood shall not be applied directly to studs spaced greater than 16 inches on center when long dimension is parallel to studs. One-half-inch plywood shall not be the face grain perpendicular to the studs or over sheathing approved for that stud spacing.
- k. Wood board sidings applied vertically shall be nailed to horizontal nailing strips or blocking set 24 inches on center. Nails shall penetrate 1.5 inches into studs, studs and wood sheathing combined, or blocking. A weather-resistant membrane shall be installed weatherboard fashion under the vertical siding unless the siding boards are lapped or battens are used.
- l. Hardboard siding shall comply with AHA A135.6 as listed in chapter 43.
- m. For masonry veneer, a weather-resistant sheathing paper is not required over a sheathing that performs as a weather-resistive barrier when a 1-inch air space is provided between the veneer and the sheathing. When the 1-inch space is filled with mortar, a weather-resistant sheathing paper is required over studs or sheathing.
- n. Vinyl siding shall comply with ASTM D 3679 as listed in chapter 43.
- o. Minimum shank diameter of 0.092 inch, minimum head diameter of 0.025 inch, and nail length shall accommodate sheathing and penetrate framing 1.5 inches.
- p. When used to resist shear forces, the spacing must be 4 inches at panel edges and 8 inches on interior supports.
- q. Minimum shank diameter of 0.099 inch, minimum head diameter of 0.240 inch, and nail length shall accommodate sheathing and penetrate framing 1.5 inches.
- r. Vertical end joints shall occur at studs and shall be covered with a joint cover or shall be caulked.
- s. Fiber cement siding shall comply with the requirements of ASTM C 1186 as listed in chapter 43.
- t. See section R703.10.1 of the code.
- u. Minimum 0.102 inch smooth shank, 0.255 inch round head.
- v. Minimum 0.099 inch smooth shank, 0.250 inch round head.
- w. See section R703.10.2 of the code.
- x. Face nailing: 2 nails at each stud. Concealed nailing: one 11 gage 1-1/2 galvanized roofing nail (0.371 inch head diameter, 0.120 inch shank) or 6d galvanized box nail at each stud.
- y. See exceptions in section R703.2 of the code.
- z. Minimum nail length shall accommodate sheathing and penetrate framing 1.5 inches.

R703.6. Exterior plaster. Installation of these materials shall be in compliance with ASTM C 926, which is adopted by reference in these rules and ASTM C 1063, as listed in chapter 43. The ASTM C 926 standard is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake

Circle, Okemos, Michigan 48864, or from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA, 19428, at a cost as of the time of adoption of these amendatory rules of \$30.00.

R703.6.3. Weather-resistant barriers. Weather-resistant barriers shall be installed as required in section R703.2 and, where applied over wood-based sheathing, shall include a weather-resistive vapor permeable barrier with a performance at least equivalent to 2 layers of grade D paper.

R703.8. Flashing. Approved corrosion-resistive flashing shall be provided in the exterior wall envelope in such a manner as to prevent entry of water into the wall cavity or penetration of water to the building structural framing components. The flashing shall extend to the surface of the exterior wall finish and shall be installed to prevent water from reentering the exterior wall envelope. Flashing shall extend to, or beyond, the finished exterior face of the wall. Approved corrosion-resistive flashing shall be installed at all of the following locations:

1. At top of all exterior window and door openings in such a manner as to be leakproof, except that self-flashing windows having a continuous lap of not less than 1 1/8 inches (28 mm) over the sheathing material around the perimeter of the opening, including corners, do not require additional flashing; jamb flashing may also be omitted when specifically approved by the building official.
2. At the intersection of chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under stucco copings.
3. Under and at the ends of masonry, wood, or metal copings and sills.
4. Continuously above all projecting wood trim.
5. Where exterior porches, decks, or stairs attach to a wall or floor assembly of wood-frame construction.
6. At wall and roof intersections.
7. At built-in gutters.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30546 Minimum uniformly distributed live loads.

Rule 546. Table R301.5 of the code is amended to read as follows:

TABLE R301.5
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS
(in pounds per square foot)

USE	LIVE LOAD
Attics with storage ^b	20
Attics without storage ^{bg}	10
Decks ^c	40
Exterior balconies	60
Fire escapes	40
Guardrails and handrails ^d	200
Guardrails in-fill components ^f	200
Passenger vehicle garages ^a	50 ^a
Rooms other than sleeping rooms	40
Sleeping rooms	30
Stairs	40 ^c

For SI: 1 pound per square foot = 0.0479 kN/m², 1 square inch = 645 mm², 1 pound = 4.45 N.

a. Elevated garage floors shall be capable of supporting a 2,000-pound load applied over a 20-square-inch area.

b. No storage with roof slope not over 3 units in 12 units.

c. Individual stair treads shall be designed for the uniformly distributed live load or a 300-pound concentrated load acting over an area of 4 square inches, whichever produces the greater stresses.

d. A single concentrated load applied in any direction at any point along the top.

e. See section R502.2.1 for decks attached to exterior walls.

f. Guard in-fill components (all those except the handrail), balusters, and panel fillers shall be designed to withstand a horizontally applied normal load of 50 pounds on an area equal to 1 square foot. This load need not be assumed to act concurrently with any other live load requirement.

g. Load shall be applied non-concurrent with other variable loads.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30547. Referenced standards.

Rule 547. The TPI standard in chapter 43 of the code is amended to update the standard to the TPI 1-2002 edition.
History: 2004 MR 4, Eff. Feb. 29, 2004.

REHABILITATION CODE

R 408.30551
Source: 2003 AACS.

R 408.30552
Source: 2002 AACS.

R 408.30553
Source: 2002 AACS.

R 408.30554
Source: 2002 AACS.

R 408.30555
Source: 2003 AACS.

R 408.30556
Source: 2002 AACS.

R 408.30557
Source: 2002 AACS.

R 408.30558
Source: 2003 AACS.

R 408.30559
Source: 2003 AACS.

R 408.30560
Source: 2003 AACS.

R 408.30561
Source: 2002 AACS.

R 408.30562
Source: 2002 AACS.

R 408.30563
Source: 2003 AACS.

R 408.30564
Source: 2002 AACS.

R 408.30565
Source: 2002 AACS.

R 408.30566
Source: 2003 AACS.

R 408.30567
Source: 2003 AACS.

R 408.30568
Source: 2002 AACS.

R 408.30569
Source: 2002 AACS.

R 408.30570
Source: 2002 AACS.

R 408.30571
Source: 2002 AACS.

R 408.30572
Source: 2002 AACS.

R 408.30573
Source: 2002 AACS.

R 408.30574
Source: 2002 AACS.

R 408.30575
Source: 2002 AACS.

R 408.30576
Source: 2003 AACS.

R 408.30577
Source: 2002 AACS.

PART 6. MOBILE HOME CODE

R 408.30601
Source: 1998-2000 AACS.

R 408.30611
Source: 1998-2000 AACS.

R 408.30616
Source: 1998-2000 AACS.

R 408.30621
Source: 1998-2000 AACS.

R 408.30626
Source: 1998-2000 AACS.

R 408.30631
Source: 1998-2000 AACS.

R 408.30636
Source: 1998-2000 AACS.

PART 7. PLUMBING CODE

AMENDMENTS AND ADDITIONS TO BASIC PLUMBING CODE

R 408.30701

Source: 2003 AACS.

AMENDMENTS AND ADDITIONS TO BASIC PLUMBING CODE

R 408.30711

Source: 2001 AACS.

R 408.30712

Source: 2001 AACS.

R 408.30713

Source: 2001 AACS.

R 408.30714

Source: 2001 AACS.

R 408.30715

Source: 2003 AACS.

R 408.30716

Source: 2003 AACS.

R 408.30717

Source: 2003 AACS.

R 408.30718

Source: 2003 AACS.

R 408.30719

Source: 2003 AACS.

R 408.30720

Source: 2003 AACS.

R 408.30721

Source: 2003 AACS.

R 408.30722

Source: 2003 AACS.

R 408.30723

Source: 2003 AACS.

R 408.30724

Source: 1998-2000 AACS.

R 408.30725

Source: 1998-2000 AACS.

R 408.30725a

Source: 1998-2000 AACS.

R 408.30725b

Source: 1998-2000 AACS.

R 408.30725c

Source: 1998-2000 AACS.

R 408.30726

Source: 1998-2000 AACS.

R 408.30728

Source: 2001 AACS.

R 408.30730

Source: 2003 AACS.

R 408.30731

Source: 1997 AACS.

R 408.30732

Source: 1997 AACS.

R 408.30733

Source: 1997 AACS.

R 408.30734

Source: 1998-2000 AACS.

R 408.30735

Source: 2001 AACS.

R 408.30736

Source: 1997 AACS.

R 408.30737

Source: 1998-2000 AACS.

R 408.30738

Source: 1997 AACS.

R 408.30738a

Source: 1998-2000 AACS.

R 408.30739

Source: 1997 AACS.

R 408.30740

Source: 1998-2000 AACS.

R 408.30740a

Source: 2003 AACS.

R 408.30740b

Source: 1998-2000 AACS.

R 408.30740c

Source: 2001 AACS.

R 408.30741

Source: 1997 AACS.

R 408.30741a

Source: 1997 AACS.

R 408.30741b

Source: 1997 AACS.

- R 408.30741c**
Source: 2003 AACS.
- R 408.30742,**
Source: 1997 AACS.
- R 408.30743**
Source: 1997 AACS.
- R 408.30743a**
Source: 1998-2000 AACS.
- R 408.30743b**
Source: 1997 AACS.
- R 408.30743c**
Source: 1998-2000 AACS.
- R 408.30744**
Source: 1997 AACS.
- R 408.30744a**
Source: 1998-2000 AACS.
- R 408.30744b**
Source: 1998-2000 AACS.
- R 408.30744c**
Source: 1998-2000 AACS.
- R 408.30744d**
Source: 1998-2000 AACS.
- R 408.30744e**
Source: 2003 AACS.
- R 408.30744f**
Source: 1998-2000 AACS.
- R 408.30745**
Source: 1997 AACS.
- R 408.30745a**
Source: 1997 AACS.
- R 408.30745b**
Source: 1997 AACS.
- R 408.30746**
Source: 1998-2000 AACS.
- R 408.30746a**
Source: 1997 AACS.
- R 408.30746b**
Source: 1997 AACS.
- R 408.30747**

Source: 1997 AACS.

R 408.30747a

Source: 1998-2000 AACS.

R 408.30747b

Source: 1998-2000 AACS.

R 408.30747c

Source: 1997 AACS.

R 408.30748

Source: 1998-2000 AACS.

R 408.30748a

Source: 1997 AACS.

R 408.30748b

Source: 1997 AACS.

R 408.30748c

Source: 1997 AACS.

R 408.30749

Source: 2001 AACS.

R 408.30749a

Source: 1998-2000 AACS.

R 408.30750

Source: 1998-2000 AACS.

R 408.30751

Source: 1997 AACS.

R 408.30751a

Source: 1998-2000 AACS.

R 408.30752

Source: 1997 AACS.

R 408.30752a

Source: 1997 AACS.

R 408.30753a

Source: 1998-2000 AACS.

R 408.30754

Source: 1997 AACS.

R 408.30754a

Source: 1997 AACS.

R 408.30754b

Source: 2001 AACS.

R 408.30754c

Source: 1998-2000 AACS.

- R 408.30755**
Source: 1997 AACS.
- R 408.30756**
Source: 1998-2000 AACS.
- R 408.30756a**
Source: 1998-2000 AACS.
- R 408.30757**
Source: 2001 AACS.
- R 408.30758**
Source: 2001 AACS.
- R 408.30758a**
Source: 1997 AACS.
- R 408.30758b**
Source: 1997 AACS.
- R 408.30758c**
Source: 1997 AACS.
- R 408.30758d**
Source: 1997 AACS.
- R 408.30759**
Source: 1998-2000 AACS.
- R 408.30759a**
Source: 2001 AACS.
- R 408.30759b**
Source: 2001 AACS.
- R 408.30760**
Source: 2001 AACS.
- R 408.30761**
Source: 1998-2000 AACS.
- R 408.30761a**
Source: 1998-2000 AACS.
- R 408.30761b**
Source: 1998-2000 AACS.
- R 408.30761c**
Source: 2001 AACS.
- R 408.30762**
Source: 1998-2000 AACS.
- R 408.30763**
Source: 1998-2000 AACS.
- R 408.30763a**
Source: 1998-2000 AACS.

R 408.30763b
Source: 1998-2000 AACS.

R 408.30763c
Source: 1998-2000 AACS.

R 408.30764
Source: 1997 AACS.

R 408.30765
Source: 1997 AACS.

R 408.30765a
Source: 1997 AACS.

R 408.30765b
Source: 1997 AACS.

R 408.30765c
Source: 1997 AACS.

R 408.30765d
Source: 1997 AACS.

R 408.30765e
Source: 1997 AACS.

R 408.30766
Source: 1997 AACS.

R 408.30766a
Source: 1997 AACS.

R 408.30766b
Source: 1997 AACS.

R 408.30766c
Source: 1997 AACS.

R 408.30766d
Source: 1997 AACS.

R 408.30767
Source: 1997 AACS.

R 408.30767a
Source: 1997 AACS.

R 408.30768
Source: 1997 AACS.

R 408.30768a
Source: 1997 AACS.

R 408.30768b
Source: 1997 AACS.

R 408.30769
Source: 1997 AACS.

R 408.30769a
Source: 1997 AACS.

R 408.30769b
Source: 1997 AACS.

R 408.30769c
Source: 1997 AACS.

R 408.30770
Source: 1997 AACS.

R 408.30770a
Source: 1997 AACS.

R 408.30770b
Source: 1997 AACS.

R 408.30771
Source: 1997 AACS.

R 408.30771a
Source: 1997 AACS.

R 408.30771b
Source: 1997 AACS.

R 408.30771c
Source: 1997 AACS.

R 408.30771d
Source: 1997 AACS.

R 408.30771e
Source: 1997 AACS.

R 408.30772
Source: 1997 AACS.

R 408.30772a
Source: 1997 AACS.

R 408.30772b
Source: 1997 AACS.

R 408.30772c
Source: 1997 AACS.

R 408.30772d
Source: 1997 AACS.

R 408.30772e
Source: 1997 AACS.

R 408.30773
Source: 1997 AACS.

R 408.30773a
Source: 1997 AACCS.

R 408.30773b
Source: 1997 AACCS.

R 408.30773c
Source: 1997 AACCS.

R 408.30773d
Source: 1997 AACCS.

R 408.30774
Source: 1997 AACCS.

R 408.30774a
Source: 1997 AACCS.

R 408.30774b
Source: 1997 AACCS.

R 408.30774c
Source: 1997 AACCS.

R 408.30774d
Source: 1997 AACCS.

R 408.30774e
Source: 1997 AACCS.

R 408.30774f
Source: 1997 AACCS.

R 408.30775
Source: 1997 AACCS.

R 408.30775a
Source: 1997 AACCS.

R 408.30775b
Source: 1997 AACCS.

R 408.30775c
Source: 1997 AACCS.

R 408.30775d
Source: 1997 AACCS.

R 408.30776
Source: 1997 AACCS.

R 408.30776a
Source: 1997 AACCS.

R 408.30776b
Source: 1997 AACCS.

R 408.30776c
Source: 1997 AACCS.

- R 408.30777**
Source: 2003 AACS.
- R 408.30777a**
Source: 1998-2000 AACS.
- R 408.30777b**
Source: 1997 AACS.
- R 408.30777c**
Source: 1998-2000 AACS.
- R 408.30777d**
Source: 1998-2000 AACS.
- R 408.30777e**
Source: 1998-2000 AACS.
- R 408.30778**
Source: 1998-2000 AACS.
- R 408.30778a**
Source: 1998-2000 AACS.
- R 408.30778b**
Source: 1998-2000 AACS.
- R 408.30778c**
Source: 1998-2000 AACS.
- R 408.30779**
Source: 1998-2000 AACS.
- R 408.30779a**
Source: 1998-2000 AACS.
- R 408.30779b**
Source: 1998-2000 AACS.
- R 408.30780**
Source: 1998-2000 AACS.
- R 408.30780a**
Source: 1998-2000 AACS.
- R 408.30780b**
Source: 1998-2000 AACS.
- R 408.30780c**
Source: 1997 AACS.
- R 408.30781**
Source: 1997 AACS.
- R 408.30782**
Source: 1997 AACS.

- R 408.30783**
Source: 1997 AACS.
- R 408.30784**
Source: 1997 AACS.
- R 408.30785**
Source: 2001 AACS.
- R 408.30786**
Source: 2003 AACS.
- R 408.30788**
Source: 1998-2000 AACS.
- R 408.30788a**
Source: 1997 AACS.
- R 408.30791**
Source: 2003 AACS.
- R 408.30792**
Source: 2003 AACS.
- R 408.30793**
Source: 2001 AACS.
- R 408.30795**
Source: 2001 AACS.
- R 408.30795a**
Source: 2001 AACS.
- R 408.30796**
Source: 2001 AACS.

PART 8. ELECTRICAL CODE

R 408.30801 National electrical code; adoption by reference; inspection; purchase.

Rule 801. The standards contained in the national electrical code, 2002 edition, except sections 80.2, 80.5, 80.7, 80.17, 80.27, 80.29, 80.31, 80.33, 80.35, 90.1, 90.5, and 547.1 to 547.10, as published by the national fire protection association, shall govern the installation, replacement, alteration, relocation, and use of electrical systems or material. With the exceptions noted, the national electrical code is adopted in these rules by reference. Fine print notes contained within the body of the code are not adopted as a part of the code. All references to the ANSI/ASME A17.1-1996, Safety Code for Elevators and Escalators means the Michigan Elevator Code and all references to the National Electrical Code means the Michigan Electrical Code. The code is available for inspection at the Okemos office of the department of labor and economic growth, bureau of construction codes and fire safety. The National Electrical Code may be purchased from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269, or from the Michigan Department of Labor and Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan 48864, at a cost as of the time of adoption of these rules of \$60.00 each.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 3, Eff. July 26, 1980; 1979 ACS 8, Eff. Dec. 16, 1981; 1985 MR 2, Eff. Mar. 7, 1985; 1986 MR 10, Eff. Nov. 13, 1986; 1988 MR 10, Eff. Oct. 26, 1988; 1991 MR 8, Eff. Aug. 17, 1991; 1995 MR 8, Eff. Sept. 6, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

- R 408.30806**
Source: 1997 AACS.

R 408.30807 Title.

Rule 807. Title. These rules shall be known as the Michigan electrical code, hereinafter referred to as "the code."

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30808 Scope.

Rule 808. Section 80.1 of the code is amended and 80.1.1, 80.1.2, and 80.1.3 are added to the code to read as follows:

80.1. Scope. The code regulates the design, installation, maintenance, alteration, and inspection of electrical systems including all wiring, fixtures, appliances, and appurtenances in connection with the utilization of electrical energy, within or on a building, structure, or properties, and including service entrance wiring as defined by the code.

Exception: Electrical wiring and equipment within 1- and 2-family dwellings shall be constructed, installed, and maintained in accordance with the Michigan residential code.

80.1.1. Intent. The purpose of the code is to provide minimum standards to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of electrical wiring and equipment.

80.1.2. Severability. If a section, subsection, sentence, clause, or phrase of the code is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of the code.

80.1.3. Code conformity required. A person shall not install, alter, maintain, service, or repair, or cause or permit the installation, altering, maintaining, servicing, or repairing of electrical equipment in or on any building, structure, or part thereof, or on any premises, if by the person's action the work does not conform to the provisions of the code.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30809 Purpose.

Rule 809. Section 80.3 of the code is amended to read as follows:

80.3. Purpose. The purpose of this article shall be to provide requirements for administration and enforcement of the Michigan electrical code.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30810 Authority.

Rule 810. Section 80.13 of the code is amended to read as follows:

80.13. Authority. Where used in the code, "authority having jurisdiction" means the enforcing agency in accordance with 1972 PA 230, MCL 125.1501 et seq., as defined in R 408.30828. The code shall be administered and enforced by the enforcing agency in accordance with 1972 PA 230, MCL 125.1501 et seq.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 3, Eff. July 26, 1980; rescinded 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30811 Duties and powers of the code official.

Rule 811. Section 80.14 is added to the code to read as follows:

80.14. Duties and powers of the code official. The code official shall enforce the provisions of the code and shall act on any question relative to the installation, alteration, repair, maintenance, or operation of electrical wiring and equipment, except as otherwise specifically provided for by statute.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30812 Means of Appeal.

Rule 812. Section 80.15 of the code is amended and 80.15.1 is added to the code to read as follows:

80.15. Means of appeal. A person may appeal a decision of the enforcing agency to the board of appeals. An application for appeal shall be based on a claim that the true intent of the code or the rules governing construction have been incorrectly interpreted, the provisions of the code do not apply, or an equal or better form of construction is proposed. The application shall be filed under section 14 of 1972 PA 230, MCL 125.1501 et seq.

80.15.1. Limitation of authority. The board of appeals shall have no authority relative to interpretation of the administration of the code nor shall such board be empowered to waive requirements of the code.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; rescinded 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30813 Code arrangement.

Rule 813. Section 90.3 of the code is amended to read as follows:

90.3. Code arrangement. The code includes an administration section. Additionally, the code is divided into the introduction

and 9 chapters. Chapters 1, 2, 3, and 4 apply generally; chapters 5, 6, and 7 apply to special occupancies, special equipment, or other special conditions. Chapters 5, 6, and 7 supplement or modify the general rules. Chapters 1 to 4 apply except as amended by chapters 5, 6, and 7 for the particular conditions.

Chapter 8 covers communications systems and is not subject to the requirements of chapters 1 to 7 except where the requirements are specifically referenced in chapter 8.

Chapter 9 consists of tables.

Annexes are not part of the requirements of the code but are included for informational purposes only.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30814 Enforcement.

Rule 814. Sections 90.4 and 90.6 of the code are amended to read as follows:

90.4. Enforcement. The code is intended to be suitable for mandatory application by governmental bodies that exercise legal jurisdiction over electrical installations, including signaling and communications systems. The enforcing agency shall interpret the rules, decide on the approval of equipment and materials, and grant special permission set forth in the rules.

By special permission, the enforcing agency may permit alternative methods where equivalent objectives may be achieved by establishing and maintaining effective safety.

90.6. Formal interpretations. Formal interpretations shall be issued in accordance with 1972 PA 230, MCL 125.1501 et seq.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30815 Maintenance of existing wiring.

Rule 815. Section 80.18 of the code is added to read as follows:

80.18. Maintenance of existing wiring. Every building, structure, or part thereof shall be kept in good electrical repair by the owner.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30816 Rescinded.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; rescinded 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30817 Disconnection of dangerous electrical equipment.

Rule 817. Section 80.18.1 is added to the code to read as follows:

80.18.1. Disconnection of dangerous electrical equipment. If the use of any electrical equipment is found imminently dangerous to human life or property, the enforcing agency may condemn the equipment or disconnect it from its source of electric supply, except that the enforcing agency shall not disconnect the service entrance equipment or utility service drop wires unless the entrance equipment or utility wires in themselves constitute a hazard to life or property. If the enforcing agency condemns or disconnects dangerous equipment, then the agency shall place a red tag on the equipment listing the causes for the condemnation or disconnection and the penalty under the act for the unlawful use of the equipment. The agency shall give written notice of the condemnation or disconnection and the causes for condemning or disconnecting the equipment to the owner or the occupant of the building, structure, or premises. A person shall not remove the tag or reconnect the electrical equipment to its source of electric supply, or use or permit the use of electrical current in the electrical equipment, until the causes for the condemnation or disconnection are remedied and a permit for the electrical repairs of the equipment is obtained from the enforcing agency.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30818 Permits and certificates.

Rule 818. Sections 80.19 of the code is amended and 80.19.1, 80.19.2, 80.19.3, 80.19.4, 80.19.5, 80.19.6, 80.19.7, and 80.19.8 are added to the code to read as follows:

80.19. Permits and certificates. A person shall not equip a building with electrical conductors or equipment or make an alteration of, change in, or addition to, electrical conductors or equipment without receiving a written permit to do the work described. If the electrical installation or alterations of, changes in, or addition to, electrical conductors or equipment are found to be in compliance with the provision of the code and if the work has passed the inspection of the enforcing agency, then the enforcing agency shall, upon the request of the permit holder to whom the permit was issued, issue a certificate of final electrical inspection. The certificate certifies that the provisions of the code have been complied with. This section does not apply to installations that are referred to in section 7(3)(a), (b), (c), (d), (e), (f), (h), (k), (l), or (n) of 1956 PA 217, MCL 338.887(3)(a), (b), (c), (d), (e), (f), (h), (k), (l), or (n).

80.19.1. To whom permits are issued. (1) To obtain an electrical permit, an applicant shall be 1 of the following:

(a) A holder of an electrical contractor license or the qualifying master for the electrical contractor when authorized by the electrical contractor to secure a permit.

(b) A person, firm, or corporation holding an affidavit as provided by R 338.1039a.

(c) A homeowner who occupies or will occupy a single-family dwelling and other accessory structures located on the same lot intended for use by the homeowner for which the permit is obtained and who will install the electrical equipment as certified by the homeowner on the permit application in accordance with section 10(4) of 1972 PA 230, MCL 125.1510(4).

(2) To obtain a permit for a fire alarm system, as defined in section 1a(1) of 1956 PA 217, MCL 338.881a (1), an applicant shall be 1 of the following:

(a) A holder of an electrical contractor license.

(b) A holder of a fire alarm specialty contractor license or the qualifying fire alarm specialty technician qualifying the fire alarm specialty contractor when authorized by the fire alarm specialty contractor to secure a permit.

(c) A homeowner qualifying under section 80.19.1(1)(c) of the code.

(3) To obtain a permit for an electrical sign or outline lighting, as defined in section 1b(1) and (2) of 1956 PA 217, MCL 338.881b(1) and (2), an applicant shall be 1 of the following:

(a) A holder of an electrical contractor license.

(b) A holder of a sign specialty contractor license or the sign specialty technician qualifying the sign specialty contractor when authorized by the sign specialty contractor to secure a permit.

(c) A homeowner qualifying under section 80.19.1(1)(c) of the code.

(4) To obtain a permit for electrical wiring associated with the installation, removal, alteration, or repair of a water well pump on a single-family dwelling to the first point of attachment in the house from the well, an applicant shall be 1 of the following:

(a) A holder of an electrical contractor license.

(b) A registered pump installer under part 127 of 1978 PA 368, MCL 333.12701 to 333.12771.

(c) A homeowner qualifying under section 80.19.1(1)(c) of the code.

(5) To obtain a permit for wiring associated with existing mechanical and plumbing systems referenced in section 7(3)(i) of 1956 PA 217, MCL 338.887(3)(i), a person shall be 1 of the following:

(a) A holder of an electrical contractor license or the qualifying master for the electrical contractor when authorized by the electrical contractor to secure a permit.

(b) A holder of a mechanical contractor license issued in accordance with section 6(3)(a), (b), (d), (e), and (f) of 1984 PA 192, MCL 338.976(3)(a), (b), (d), (e), and (f).

(c) A holder of a plumbing contractor license issued in accordance with 2002 PA 733, MCL 338.3511 et seq.

80.19.2 Application for permit. To obtain an electrical permit, the applicant shall file the application in writing on a form furnished by the enforcing agency for that purpose. The application shall include all of the following:

(1) A description of the work to be covered by the permit for which application is made.

(2) Description of the land upon which the work is to take place by legal description, street address, or similar description that will readily identify and definitively locate the proposed building or work.

(3) Be accompanied by construction documents in accordance with section 80.21 of the code.

(4) Signature of the applicant.

80.19.3. Permit expiration. If work for which a permit is issued is not started within 6 months of the date of permit issuance or if work is abandoned for a period of 6 months, then the permit shall lapse and cease to be in effect. The enforcing agency shall provide notice of this requirement to the permit holder.

80.19.4. Uncompleted installation notification. If a person to whom a permit is issued for the installation and inspection of electrical conductors and electrical equipment quits the installation for any reason, then the person shall notify the enforcing agency.

80.19.5. Inspection and refunds for partial installation. If an installation is partially completed, then a permit holder, upon quitting the installation, shall notify the enforcing agency and shall request an inspection. The inspector shall record the acceptance of, or violations against, the work installed on the permit record according to the findings of the inspector. The enforcing agency shall not grant a refund to the permit holder of the permit fee covering electrical equipment installed and inspected.

80.19.6. Owner notification to enforcing agency. If a permit holder quits an installation after the electrical equipment is installed and fails to notify the enforcing agency, then the building owner or his or her agent may notify the enforcing agency and request inspection. Upon inspection, the enforcing agency shall send the permit holder a notice of a violation. The owner may then secure another licensed contractor to proceed with the work if the new contractor is properly covered by a permit.

80.19.7. Transfer of permit. An electrical permit is not transferable.

80.19.8. Fraudulent application for permit. A permit that is issued in violation of the laws of this state or as a result of false or

fraudulent information or misinterpretation of conditions is subject to revocation at the direction of the enforcing agency. The enforcing agency shall notify the person holding the permit to appear and show cause why the permit should not be revoked. Failure to appear is sufficient grounds for revocation of the permit.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1991 MR 8, Eff. Aug. 17, 1991; 1995 MR 8, Eff. Sept. 6, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30819 Plans and specifications.

Rule 819. Section 80.21 of the code is amended and 80.21.1 and 80.21.2 are added to the code to read as follows:

80.21. Plans and specifications. An applicant shall submit a detailed set of plans and specifications with the application for an electrical permit for any wiring or alteration to an electrical system if the system requires installation of electrical equipment that has an ampacity of more than 400 amperes for the service or feeder and if the calculated floor area in a building is more than 3,500 square feet. The enforcing agency may request plans for projects that include an unusual design. The electrical drawings shall include all of the following details:

- (a) Lighting layout.
- (b) Circuiting.
- (c) Switching.
- (d) Conductor and raceway sizes.
- (e) Wattage schedule.
- (f) Service location and riser diagram.
- (g) Load calculations.
- (h) A proposed method of construction that is drawn with symbols of a standard form.

All conductors are assumed to be copper unless otherwise stated in the plan. Specifications, when provided, shall also include the information listed in this rule. The selection of suitable disconnect and overcurrent devices to provide proper coordination and interrupting capacity for a wiring system is the responsibility of the designer. The enforcing agency, when approving electrical plans, does not assume responsibility for the design or for any deviations from any electrical drawings. The permit holder shall ensure that the plans and specifications approved by the enforcing agency, or a certified copy of the plans and specifications, where required, are available on the job for the use of the enforcing agency.

80.21.1. Preparation of plans. An architect or engineer shall prepare, or supervise the preparation of, all plans and specifications for new construction work or repair, expansion, addition, or modification work. The architect or engineer shall be licensed under 1980 PA 299, MCL 339.101 et seq. The plans and specifications shall bear the architect's or engineer's signature and seal.

Note: For exceptions, see 1980 PA 299, MCL 339.101 et seq.

80.21.2. Review of construction documents. The enforcing agency shall review the application, construction documents, and other data filed by an applicant for a permit. If the enforcing agency finds that the proposed work conforms to the requirements of the code and related laws and ordinances and that the fees are paid, then the agency shall issue a permit to the applicant.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1988 MR 10, Eff. Oct. 26, 1988; 1991 MR 8, Eff. Aug. 17, 1991; 1995 MR 8, Eff. Sept. 6, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30820 Representative on jobsite.

Rule 820. Sections 80.20 and 80.20.1 are added to the code to read as follows:

80.20. Representative on jobsite. The enforcing agency reserves the right to require a representative of the permit holder to be on the job when an inspection is made.

80.20.1. Licensed supervision required. A person who is licensed under 1956 PA 217, MCL 338.881 et seq., and who is employed by and represents the permit holder who is responsible for the electrical installation shall be present at all times when electrical construction is in progress.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1988 MR 10, Eff. Oct. 26, 1988; 1991 MR 8, Eff. Aug. 17, 1991; 1995 MR 8, Eff. Sept. 6, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30821

Source: 1997 AACS.

R 408.30822 Inspections.

Rule 822. Sections 80.22, 80.22.1 and 80.22.2 are added to the code to read as follows:

80.22. Scheduling inspection. An enforcing agency shall be given not less than 24 hours' notice to inspect electrical equipment. An enforcing agency shall perform the inspection within a reasonable period of time after the request for inspection is made.

80.22.1. Inspection notice. Only the enforcing agency shall post a notice of inspection at, or remove a notice from, the jobsite. The enforcing agency shall maintain a record of all inspections.

80.22.2. Concealing electrical installation. A person shall not conceal, or cause to be concealed, any conductors and equipment before the equipment is approved by the enforcing agency.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1995 MR 8, Eff. Sept. 6, 1995; 1998 MR 11, Eff. Nov. 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30823 Connection to electricity supply.

Rule 823. Section 80.25 of the code is amended to read as follows:

80.25. Connection to electricity supply. Except where work is done under an annual permit or except as otherwise provided in the code, a person, firm, or corporation shall not make connection to a supply of electricity or to supply electricity to any electric equipment installation for which a permit is required or that has been disconnected or ordered to be disconnected.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; rescinded 1991 MR 8, Eff. Aug. 17, 1991; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30824 Fees.

Rule 824. Section 80.24 of the code is added to read as follows:

80.24. Fees. The fees prescribed by section 22 of 1972 PA 230, MCL 125.1522, shall be paid to the enforcing agency of the jurisdiction before a permit to begin work for new construction, alteration, removal, demolition, or other building operation may be issued. In addition, an amendment to a permit necessitating an additional fee shall not be approved until the additional fee is paid.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30825

Source: 1998-2000 AACCS.

R408.30826 Violations.

Rule 826. Section 80.23 of the code is amended to read as follows:

80.23. Violations. If it is found that any electrical equipment does not conform to the provisions of the code, then the enforcing agency shall notify, in writing, the person who installs, or who is responsible for installing, the electrical equipment, in accordance with section 12(3) of 1972 PA 230, MCL 125.1512(3), of the defect, misuse, or violation. Violations and penalties shall be as specified in section 23 of 1972 PA 230, MCL 125.1523.

History: 1954 ACS 91, Eff. Nov. 12, 1977; 1979 AC; 1979 ACS 8, Eff. Dec. 16, 1981; 1991 MR 8, Eff. Aug. 17, 1991; 1999 MR 11, Eff. Dec. 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30827 Service equipment.

Rule 827. Section 80.26 is added to the code to read as follows:

80.26. Service equipment. The enforcing agency shall approve service equipment installed, altered, or repaired before the load side of the meter is energized.

History: 1991 MR 8, Eff. Aug. 17, 1991; 1995 MR 8, Eff. Sept. 6, 1995; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30828 Definitions.

Rule 828. The definitions of authority having jurisdiction, dwelling unit, dwelling, 1-family, dwelling, 2-family, and dwelling, multifamily in article 100 of the code are amended and the definitions of chief electrical inspector, code official, electrical inspector, and enforcing agency are added to article 100 of the code to read as follows:

"Authority having jurisdiction" where used in the code means the enforcing agency.

"Dwelling unit" means a single unit providing complete independent living facilities for 1 or more persons, including permanent provisions for living, sleeping, eating, cooking, and sanitation.

"Dwelling, 1-family" means a building that consists solely of 1 dwelling unit complying with the provisions of the Michigan residential code.

"Dwelling, 2-family" means a building that consists solely of 2 dwelling units complying with the provisions of the Michigan residential code.

"Dwelling, multifamily" means a building that contains 3 or more dwelling units. Residential occupancies containing more than 2 dwelling units where the occupants are primarily permanent in nature, including all of the following:

1. Apartment houses.
2. Boarding housing, not transient.
3. Convents.
4. Dormitories.
5. Fraternities and sororities.
6. Monasteries.

"Chief electrical inspector" where used in the code means the code official.

"Code official" means a person who is appointed and employed by a governmental subdivision who is charged with the administration and enforcement of the state code or codes, and who is registered in accordance with 1986 PA 54, MCL 338.2301 et seq.

"Electrical inspector" where used in the code means the code official.

"Enforcing agency" means the enforcing agency, in accordance with section 8a or 8b of 1972 PA 230, MCL 125.1501 et seq., which is responsible for administration and enforcement of the code within a governmental subdivision, except for the purposes of section 19 of 1972 PA 230, MCL 125.1501 et seq.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30829 Approval

Rule 829. Section 110.2 of the code is amended to read as follows:

110.2. Approval. Materials, equipment, and devices shall be constructed and installed in accordance with approvals granted under section 21 of 1972 PA 230, MCL 125.1521, or by the code official.

History: 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30830

Source: 1998-2000 AACS.

R 408.30831 Rescinded.

History: 1979 ACS 8, Eff. Dec. 16, 1981; rescinded 1988 MR 10, Eff. Oct. 26, 1988; 1998 MR 11, Eff. Nov. 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; rescinded 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30832

Source: 1997 AACS.

R 408.30835 Grounded and ungrounded conductor sources.

Rule 835. Section 300.3(b) (5) is added to the code to read as follows:

300.3(b)(5). Grounded and ungrounded conductor sources. Grounded and associated ungrounded circuit conductors for 2, 3, or 4-wire circuits shall all originate at the same source in the wiring system. A grounded conductor shall not be used for more than 1 multi-wire branch circuit.

History: 1998 MR 11, Eff. Nov. 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30837 Rescinded.

History: 1998 MR 11, Eff. Nov. 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; rescinded 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30838

Source: 1997 AACS.

R 408.30839

Source: 1998-2000 AACS.

R 408.30843 Rescinded.

History: 1985 MR 2, Eff. Mar. 7, 1985; 1988 MR 10, Eff. Oct. 26, 1988; 1991 MR 8, Eff. Aug. 17, 1991; 1998 MR 11, Eff. Nov. 30, 1998; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30865

Source: 1997 AACS.

R 408.30866 Rescinded.

History: 1988 MR 10, Eff. Oct. 26, 1988; 1991 MR 8, Eff. Aug. 17, 1991; 1998 MR 11, Eff. Nov 30, 1998; rescinded 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30867

Source: 1998-2000 AACS.

R 408.30868 Grounding of liquidtight flexible metal conduit.

Rule 868. Section 350.13 of the code is amended to read as follows:

350.13. The permit holder shall not use liquidtight flexible metal conduit as a grounding means. If an equipment bonding jumper is required around liquidtight flexible metal conduit, then the permit holder shall install the jumper in accordance with section 250.102 of the code.

History: 1988 MR 10, Eff. Oct. 26, 1988; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30869 Grounding conductors.

Rule 869. Section 250.118 of the code is amended to read as follows:

250.118. Types of equipment grounding conductors. The equipment grounding conductor run with or enclosing the circuit conductors shall be 1 or more or a combination of the following:

- (1) A copper, aluminum, or copper-clad aluminum conductor. This conductor shall be solid or stranded; insulated, covered, or bare; and, in the form of a wire or a busbar of any shape.
- (2) Rigid metal conduit.
- (3) Intermediate metal conduit.
- (4) Electrical metallic tubing.
- (5) Flexible metallic tubing where the tubing is terminated in fittings listed for grounding and meeting both of the following conditions:
 - (a) The circuit conductors contained in the tubing are protected by overcurrent devices rated at 20 amperes or less.
 - (b) The length of flexible metallic tubing in the ground return path does not exceed 1.8m (6 feet).
- (6) Armor of type AC cable as provided in section 320.108 of the code.
- (7) The copper sheath of mineral-insulated, metal-sheathed cable.
- (8) Type MC cable where listed and identified for grounding in accordance with both of the following:
 - (a) The combined metallic sheath and grounding conductor of interlocked metal tape-type MC cable.
 - (b) The metallic sheath or the combined metallic sheath and grounding conductors of the smooth or corrugated tube type MC cable.
- (9) Cable trays as permitted by sections 392.3(c) and 392.7 of the code.
- (10) Cablebus framework as permitted by section 370.3 of the code.
- (11) Other electrically continuous metal raceways and auxiliary gutters listed for grounding.

History: 1988 MR 10, Eff. Oct. 26, 1988; 1991 MR 8, Eff. Aug. 17, 1991; 1998 MR 11, Eff. Nov 30, 1998; 1999 MR 11, Eff. Dec. 7, 1999; 2004 MR 4, Eff. Feb. 29, 2004.

R 408.30870

Source: 1997 AACS.

R 408.30871

Source: 1995 AACS.

R 408.30872

Source: 1997 AACS.

R 408.30873

Source: 1998-2000 AACS.

R 408.30880

Source: 1997 AACS.

PART 9. MECHANICAL CODE

R 408.30901

Source: 1997 AACS.

PART 9A. MECHANICAL CODE

R 408.30901a
Source: 2003 AACS.

AMENDMENTS AND ADDITIONS TO BASIC MECHANICAL CODE

R 408.30902a
Source: 2003 AACS.

R 408.30903a
Source: 2001 AACS.

R 408.30904a
Source: 2001 AACS.

R 408.30905a
Source: 2001 AACS.

R 408.30906a
Source: 2003 AACS.

R 408.30907a
Source: 2003 AACS.

R 408.30908a
Source: 2003 AACS.

R 408.30909a
Source: 2003 AACS.

R 408.30910a
Source: 2003 AACS.

R 408.30912a
Source: 1997 AACS.

R 408.30915a
Source: 2001 AACS.

R 408.30916a
Source: 2001 AACS.

R 408.30917a
Source: 1998-2000 AACS.

R 408.30918a
Source: 2003 AACS.

R 408.30919a
Source: 1997 AACS.

R 408.30920a
Source: 1998-2000 AACS.

- R 408.30921a**
Source: 1997 AACS.
- R 408.30922a**
Source: 1998-2000 AACS.
- R 408.30923a**
Source: 2003 AACS.
- R 408.30924a**
Source: 2001 AACS.
- R 408.30925a**
Source: 1998-2000 AACS.
- R 408.30926a**
Source: 1998-2000 AACS.
- R 408.30927a**
Source: 1995 AACS.
- R 408.30928a**
Source: 2001 AACS.
- R 408.30929a**
Source: 1998-2000 AACS.
- R 408.30930a**
Source: 1998-2000 AACS.
- R 408.30931a**
Source: 1998-2000 AACS.
- R 408.30932a**
Source: 1998-2000 AACS.
- R 408.30933a**
Source: 1998-2000 AACS.
- R 408.30935a**
Source: 2003 AACS.
- R 408.30936a**
Source: 2003 AACS.
- R 408.30937a**
Source: 1998-2000 AACS.
- R 408.30938a**
Source: 1997 AACS.
- R 408.30940a**
Source: 2001 AACS.
- R 408.30941a**
Source: 1998-2000 AACS.
- R 408.30942a**

Source: 1997 AACS.

R 408.30943a

Source: 1997 AACS.

R 408.30944a

Source: 1998-2000 AACS.

R 408.30945a

Source: 2003 AACS.

R 408.30946a

Source: 1998-2000 AACS.

R 408.30948a

Source: 1998-2000 AACS.

R 408.30949a

Source: 1998-2000 AACS.

R 408.30951a

Source: 1998-2000 AACS.

R 408.30952a

Source: 1997 AACS.

R 408.30953a

Source: 1998-2000 AACS.

R 408.30954a

Source: 1998-2000 AACS.

R 408.30955a

Source: 1997 AACS.

R 408.30956a

Source: 1998-2000 AACS.

R 408.30958a

Source: 1998-2000 AACS.

R 408.30960a

Source: 1997 AACS.

R 408.30962a

Source: 1998-2000 AACS.

R 408.30963a

Source: 1998-2000 AACS.

R 408.30964a

Source: 1997 AACS.

R 408.30965a

Source: 1998-2000 AACS.

R 408.30966a

Source: 1997 AACS.

- R 408.30967a**
Source: 1997 AACS.
- R 408.30968a**
Source: 1997 AACS.
- R 408.30970a**
Source: 1997 AACS.
- R 408.30971a**
Source: 1997 AACS.
- R 408.30972a**
Source: 1997 AACS.
- R 408.30975a**
Source: 1998-2000 AACS.
- R 408.30977a**
Source: 1997 AACS.
- R 408.30982a**
Source: 1997 AACS.
- R 408.30983a**
Source: 1998-2000 AACS.
- R 408.30984a**
Source: 1998-2000 AACS.
- R 408.30987a**
Source: 1998-2000 AACS.
- R 408.30989a**
Source: 1997 AACS.
- R 408.30992a**
Source: 1997 AACS.
- R 408.30995a**
Source: 2003 AACS.
- R 408.30996**
Source: 1997 AACS.
- R 408.30997**
Source: 1997 AACS.
- R 408.30998**
Source: 1997 AACS.

PART 10. ENERGY CONSERVATION IN NEW BUILDING DESIGN

- R 408.31001**
Source: 1998-2000 AACS.
- R 408.31010**

Source: 1998-2000 AACS.

R 408.31020

Source: 1998-2000 AACS.

R 408.31030

Source: 1998-2000 AACS.

R 408.31040

Source: 1998-2000 AACS.

R 408.31041

Source: 1998-2000 AACS.

R 408.31045

Source: 1998-2000 AACS.

R 408.31050

Source: 1998-2000 AACS.

R 408.31055

Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF CONSTRUCTION CODES

GENERAL RULES

PART 10. MICHIGAN UNIFORM ENERGY CODE

R 408.31061

Source: 1998-2000 AACS.

R 408.31062

Source: 1998-2000 AACS.

R 408.31063

Source: 1998-2000 AACS.

R 408.31064

Source: 1998-2000 AACS.

R 408.31065

Source: 1998-2000 AACS.

R 408.31066

Source: 1998-2000 AACS.

R 408.31070

Source: 2003 AACS.

R 408.31071

Source: 1998-2000 AACS.

R 408.31072

Source: 1998-2000 AACS.

R 408.31073

Source: 1998-2000 AACCS.

R 408.31074

Source: 1998-2000 AACCS.

R 408.31075

Source: 1998-2000 AACCS.

R 408.31076

Source: 1998-2000 AACCS.

R 408.31077

Source: 1998-2000 AACCS.

R 408.31078

Source: 1998-2000 AACCS.

R 408.31079

Source: 1998-2000 AACCS.

R 408.31080

Source: 1998-2000 AACCS.

R 408.31081

Source: 1998-2000 AACCS.

R 408.31082

Source: 1998-2000 AACCS.

R 408.31083

Source: 1998-2000 AACCS.

R 408.31084

Source: 1998-2000 AACCS.

R 408.31085

Source: 1998-2000 AACCS.

R 480.31086

Source: 1998-2000 AACCS.

R 408.31087

Source: 2003 AACCS.

R 408.31088

Source: 2003 AACCS.

R 408.31089

Source: 2003 AACCS.

R 408.31090

Source: 2003 AACCS.

R 408.31099

Source: 1998-2000 AACCS.

PART 11. PREMANUFACTURED UNITS

R 408.31103
Source: 1984 AACS.

R 408.31104
Source: 1984 AACS.

R 408.31105
Source: 1984 AACS.

R 408.31106
Source: 1984 AACS.

R 408.31111
Source: 1984 AACS.

R 408.31113
Source: 1984 AACS.

R 408.31122
Source: 1984 AACS.

R 408.31132
Source: 1984 AACS.

R 408.31133
Source: 1984 AACS.

R 408.31134
Source: 1984 AACS.

R 408.31135
Source: 1984 AACS.

R 408.31136
Source: 1984 AACS.

R 408.31137
Source: 1984 AACS.

R 408.31138
Source: 1984 AACS.

R 408.31139
Source: 1984 AACS.

R 408.31141
Source: 1984 AACS.

R 408.31142
Source: 1984 AACS.

R 408.31144
Source: 1984 AACS.

R 408.31145
Source: 1984 AACS.

R 408.31152

Source: 1984 AACCS.

R 408.31153

Source: 1984 AACCS.

R 408.31162

Source: 1984 AACCS.

R 408.31167

Source: 1984 AACCS.

R 408.31168

Source: 1984 AACCS.

R 408.31170 Requirements for approval of third party plan review agencies; suspension or revocation; hearing; appeal.

Rule 1170. (1) A review agency seeking approval shall submit an application to the commission on a form provided by the bureau of construction codes and fire safety.

(2) The application shall include all of the following information:

- (a) Name of applicant.
- (b) Address of applicant.
- (c) Qualifications of applicant.
- (d) Name of each individual performing plan reviews.
- (e) Number of years of experience and qualifications of each individual performing plan reviews.
- (f) The registration number of each individual performing plan reviews.
- (g) Professional registrations held by the individuals performing plan reviews.
- (h) The name and location of the manufacturer for which plan reviews will be conducted.
- (i) A statement of how compliance with the requirements of section 19(6) of 1972 PA 230, MCL 125.1501 et seq. is achieved.

(3) The application shall include all of the following items:

- (a) Original articles of incorporation of the agency and any subsequent amendments thereto, as filed in the state of the incorporation.
- (b) The bylaws of the organization.
- (c) The names, addresses, and business affiliations of all members of the board of directors and top management personnel.
- (d) A listing of stockholders or other parties of interest having shares or other holdings in excess of \$5,000.00.
- (e) A certification by the agency of both of the following:
 - (i) Its board of directors, as a body, and its technical personnel, may exercise independence in judgment.
 - (ii) The activities pursued by the agency will not result in financial gain or benefit to the agency via stock ownership, or other financial interest from the manufacturer, any producer, supplier, or vendor of products involved, other than through standard published fees for services rendered.
- (f) An organizational chart showing the reporting relationship of all personnel associated with the conduct of plan reviews and supervision of the plan review process.
- (g) A listing of persons responsible for evaluation of personnel performing plan reviews.
- (h) An outline of the process to determine actions to be taken if a violation of the codes is identified within the plan review process and how corrections will be achieved.
- (i) A description of the record keeping system used to document receipt of plans, plan reviews conducted, and plan reviews completed and filed with the commission.
- (j) Description of the frequency of which plan reviews may be conducted.
- (k) A list of other states in which the agency is currently approved to conduct plan reviews.
- (l) A statement outlining the familiarity of the agency with the Michigan construction codes and the premanufactured unit rules.
- (m) A certification that the agency may perform plan reviews for compliance with codes, standards, specifications, and requirements adopted in this state for premanufactured units or building components.

(4) The commission may suspend or revoke its approval of any third party plan review agency for any of the following reasons:

- (a) The approval was issued in error.

- (b) Was issued based on incorrect information.
 - (c) Was issued in violation of the act or the rules.
 - (d) The agency violates the act or the rules.
 - (e) Examination or the action of the third party plan review agency disclosed the agency failed to perform its duties in accordance with the rules, or other such regulation that causes premanufactured units to be produced in violation of the rules.
 - (f) Other causes as may be deemed sufficient by the commission to warrant the suspension or revocation.
 - (5) A third party plan review agency subject to suspension or revocation of an approval issued by the commission may appeal the suspension or revocation in the following manner:
 - (a) An application for appeal shall be filed in writing within 90 days after the date of the decision or action from which the appeal is being taken.
 - (b) An application may be filed either in person or by mail to the department.
 - (c) The application shall be in writing and shall contain sufficient information to apprise the commission of the rule being appealed, the facts and circumstances surrounding the decision or action being appealed, and the grounds upon which the appeal is based.
 - (6) The application shall include, where applicable, all of the following documentation:
 - (a) A statement of the rule, determination, decision, directive, ruling, or order that is the subject of the appeal.
 - (b) A copy of the building system approval report, plan, compliance assurance manual, or other documentation involved in the appeal.
 - (c) A description of the premanufactured unit or units or building components involved in the appeal.
 - (d) A statement of the relief being sought by the appellant.
 - (7) The commission shall hear an appeal from a third party plan review agency without undue delay after the receipt of the objections. The appeal may be heard by the commission or a panel of 3 or more members designated for that purpose.
- History: 2004 MR 8, Eff. June 1, 2004.

R 408.31172
Source: 1984 AACS.

R 408.31174
Source: 1984 AACS.

R 408.31194
Source: 1984 AACS.

CONSTRUCTION SAFETY STANDARDS

PART 1. GENERAL RULES

R 408.40101
Source: 1983 AACS.

R 408.40102
Source: 1998-2000 AACS.

R 408.40103
Source: 1997 AACS.

R 408.40104
Source: 1997 AACS.

R 408.40105
Source: 1997 AACS.

R 408.40106
Source: 1997 AACS.

- R 408.40111**
Source: 1997 AACS.
- R 408.40112**
Source: 1997 AACS.
- R 408.40114**
Source: 2002 AACS.
- R 408.40115**
Source: 1995 AACS.
- R 408.40116**
Source: 1983 AACS.
- R 408.40118**
Source: 1983 AACS.
- R 408.40119**
Source: 1983 AACS.
- R 408.40120**
Source: 1996 AACS.
- R 408.40121**
Source: 1983 AACS.
- R 408.40122**
Source: 1998-2000 AACS.
- R 408.40123**
Source: 1983 AACS.
- R 408.40125**
Source: 1983 AACS.
- R 408.40126**
Source: 1983 AACS.
- R 408.40127**
Source: 1995 AACS.
- R 408.40128**
Source: 2002 AACS.
- R 408.40129**
Source: 1995 AACS.
- R 408.40130**
Source: 1995 AACS.
- R 408.40131**
Source: 1995 AACS.
- R 408.40132**
Source: 2002 AACS.
- R 408.40133**
Source: 2002 AACS.

R 408.40134
Source: 2002 AACS.

PART 2. MASONRY WALL BRACING

R 408.40201
Source: 1989 AACS.

R 408.40202
Source: 1989 AACS.

R 408.40203
Source: 1989 AACS.

R 408.40204
Source: 1989 AACS.

R 408.40205
Source: 1989 AACS.

R 408.40206
Source: 1989 AACS.

R 408.40207
Source: 1989 AACS.

R 408.40208
Source: 1989 AACS.

R 408.40209
Source: 1989 AACS.

R 408.40210
Source: 1989 AACS.

PART 6. PERSONAL PROTECTIVE EQUIPMENT

R 408.40601
Source: 1980 AACS.

R 408.40615
Source: 1998-2000 AACS.

R 408.40616
Source: 1998-2000 AACS.

R 408.40617
Source: 1985 AACS.

R 408.40621
Source: 1998-2000 AACS.

R 408.40622
Source: 1980 AACS.

R 408.40623
Source: 1998-2000 AACS.

- R 408.40624**
Source: 1988 AACS.
- R 408.40625**
Source: 1998-2000 AACS.
- R 408.40626**
Source: 1982 AACS.
- R 408.40627**
Source: 1980 AACS.
- R 408.40631**
Source: 1998-2000 AACS.
- R 408.40632**
Source: 1998-2000 AACS.
- R 408.40633**
Source: 1996 AACS.
- R 408.40634**
Source: 1980 AACS.
- R 408.40635**
Source: 1998-2000 AACS.
- R 408.40636**
Source: 1980 AACS.
- R 408.40641**
Source: 1998-2000 AACS.

PART 7. WELDING AND CUTTING

- R 408.40701**
Source: 1980 AACS.
- R 408.40705**
Source: 1980 AACS.
- R 408.40706**
Source: 1980 AACS.
- R 408.40707**
Source: 1980 AACS.
- R 408.40711**
Source: 1980 AACS.
- R 408.40712**
Source: 1980 AACS.
- R 408.40713**
Source: 1996 AACS.
- R 408.40714**
Source: 1980 AACS.

R 408.40715
Source: 1980 AACS.

R 408.40721
Source: 1980 AACS.

R 408.40722
Source: 1980 AACS.

R 408.40723
Source: 1980 AACS.

R 408.40729
Source: 1980 AACS.

R 408.40731
Source: 1980 AACS.

R 408.40732
Source: 1980 AACS.

R 408.40741
Source: 1980 AACS.

R 408.40742
Source: 1980 AACS.

R 408.40743
Source: 1980 AACS.

R 408.40744
Source: 1980 AACS.

R 408.40745
Source: 1980 AACS.

R 408.40746
Source: 1982 AACS.

R 408.40747
Source: 1980 AACS.

R 408.40751
Source: 1982 AACS.

R 408.40761
Source: 1980 AACS.

R 408.40762
Source: 1980 AACS.

PART 8. HANDLING AND STORAGE OF MATERIALS

R 408.40810 Adoption by reference of standards.

Rule 810. (1) The Compressed Gas Association Standard, P-1--2000, Safe Handling of Compressed Gases in Containers, ninth edition, is adopted by reference in these rules. The standard is available from the Compressed Gas Association, Inc., 4221 Walney Road, 5th Floor, Chantilly, VA, 20151-2923; telephone number: 703-788-2700 or via the internet at web-site: www.cganet.com at a cost as of the time of adoption of these amendments of \$89.00 or it is available for review at the offices

of the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, Box 30643, Lansing, Michigan 48909-8143.

(2) The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Growth, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at web-site: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost is 4 cents per page.

- (a) Part 1 General Rules, R 408.40101 et seq.
- (b) Part 7 Welding and Cutting, R 408.40701 et seq.
- (c) Part 10 Lifting and Digging Equipment, R 408.41001a et seq.
- (d) Part 13 Mobile Equipment, R 408.41301 et seq.
- (e) Part 18 Fire Protection and Prevention, R 408.41801 et seq.
- (f) Part 27 Blasting And Use of Explosives, R 408.42701 et seq.
- (g) Part 45 Fall Protection, R 408.44501 et seq.
- (h) Part 49 Slings, R 408.14901 et seq.

History: 1954 ACS 78, Eff. Mar. 2, 1974; rescinded 1954 ACS 88, Eff. Sept. 16, 1976; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40818 General provisions; storage.

Rule 818. (1) All material shall be stacked, racked, blocked, interlocked, or otherwise secured to prevent sliding, falling, or collapse during storage or transit.

(a) Structural steel, poles, pipe, bar stock, and other cylindrical materials, unless racked, shall be stacked and blocked so as to prevent spreading or tilting.

(2) Before material is unloaded from a railcar or vehicle or removed from storage, the load or pile shall be examined to ascertain if the material has shifted, binders or stakes have broken, or the load or pile is otherwise hazardous to an employee. If a hazardous condition is found, an attempt shall not be made to remove the load until corrective measures are taken that will ensure the safety of the employee who is exposed to the hazardous condition.

(3) The maximum safe load limit in pounds per square foot of a floor or roof of a building shall be conspicuously posted in all storage areas, except a slab on grade. The maximum safe load limit shall not be exceeded.

July 23, 2004

(4) Except for masonry and mortar, material shall not be stored within 4 feet (1.2 m) of a working edge during overhand bricklaying or related work.

(5) Gravel, sand, and crushed stone shall be withdrawn from a pile or barrow area in a manner that prevents overhangs and vertical faces.

(6) Storage areas, aisles, and passageways shall be kept free of the accumulation of materials that constitutes a hazard to the movement of material-handling equipment and employees. Such areas shall be kept in good repair.

(7) If a difference in road or work levels exists, ramps, grading, or blocking shall be provided to ensure the safe movement of material-handling equipment.

(8) A railcar, truck, or semitrailer shall be chocked or otherwise secured during loading and unloading if the movement of a railcar, truck, or trailer could create a hazard for the employee.

(9) A load line shall not be wrapped around the material being lifted.

(10) A material shall not be stored with any other material with which it could react and cause a hazardous condition.

(11) While roofing work is being performed, materials and equipment shall not be stored within 6 feet (1.8 m) of a roof edge, unless guardrails are erected at the roof edge.

(12) Materials that are piled, grouped, or stacked near a roof edge shall be stable and self-supporting.

(13) Material stored inside buildings under construction shall not be placed within 6 feet of any hoistway or inside floor openings, nor within 10 feet of an exterior wall that does not extend above the top of the material stored.

(14) Noncompatible materials shall be segregated in storage.

(15) Storage areas shall be kept free from accumulation of materials that constitute hazards from tripping, fire, explosion, or pest harborage. Vegetation control shall be exercised when necessary.

(16) Materials shall not be stored on scaffolds or runways in excess of supplies needed for immediate operations.

(17) Portable and powered dockboards shall be strong enough to carry the load imposed on them.

(18) Portable dockboards shall be secured in position by being anchored and equipped with devices that will prevent slipping.

(19) Handholds, or other effective means, shall be provided on portable dockboards to permit safe handling.

(20) Positive protection shall be provided to prevent railroad cars from being moved while dockboards or bridge plates are in position.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 1996 MR 8, Eff. Sept. 19, 1996; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40819. Storage of bagged material, brick, and block.

Rule 819. (1) The height of a manually stacked pile of bagged material, weighing more than 30 pounds per bag, shall not exceed 5 feet.

(2) Bagged material on a pallet shall be all of the following:

- (a) Not more than 36 inches in height.
- (b) Secured to prevent displacement from the pallet before moving.
- (c) Stacked not more than 2 pallets high.
- (d) Stacked by stepping back the layers and cross-keying the bags at least every 10 bags high.

(3) A loose brick or tile stack shall be all of the following:

- (a) Tapered back 2 inches in every foot of height above 4 feet.
- (b) Not exceed 6 feet in height.
- (c) Cross-keyed at each 2-foot level.

(4) A loose block stack shall be all of the following:

- (a) Not exceed 6 feet in height.
- (b) Cross-keyed at each 3-foot level.

(5) Brick on a pallet shall be all of the following:

- (a) Not more than 30 inches in height.
- (b) Secured to prevent displacement from the pallet before moving.
- (c) Stacked not more than 2 pallets high.

(6) Block on a pallet shall be all of the following:

- (a) Not more than 46 inches in height.
- (b) Cross-keyed every course or secured to pallet.
- (c) Stacked not more than 2 pallets high.

(7) Brick or block in a banded cube shall not be stacked more than 2 cubes high.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 1979 ACS 14, Eff. June 2, 1983; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40821 Storage of material in bins or hoppers.

Rule 821. (1) A bin or hopper that has a bottom discharge shall have sloped sides to allow material to flow freely.

(2) A hopper shall have a top opening that is 42 inches or less above the ground or working surface and shall be equipped with grillwork over the opening which is capable of supporting any intended load and which has a mesh that is not more than 6 by 6 inches to prevent employee entry.

(3) An employee required to enter or work on stored material in a silo, hopper, bin, tank, or similar storage area shall be provided with a personal fall arrest system as prescribed in Part 45 Fall Protection, being R 408.44501 et seq., and as prescribed in Part 1 General Rules being R 408.40120 Work in hazardous spaces and R 408.40121 Confined or enclosed spaces; testing; neutralizing hazard.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 1979 ACS 12, Eff. Dec. 10, 1982; 1996 MR 8, Eff. Sept. 19, 1996; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40822 Clearances.

Rule 822. (1) Material stored near an electrical distribution or transmission line shall maintain the following clearances:

- (a) Line rated 50 kV or less--10 feet plus length of material stored.
- (b) Lines rated 50 kV or more--10 feet plus 0.4 inch for each 1 kV over 50 kV plus length of material stored or 10 feet plus 4 inches for each 10 kV over 50 kV plus length of material stored.

(2) All equipment used to store material near energized electrical lines shall conform to Part 10 Lifting and Digging Equipment, and Part 13 Mobile Equipment.

(3) An employee shall be designated to observe the clearance and give timely warning if it is difficult for the operator to maintain the prescribed clearance by visual means.

(4) An employee storing or handling material shall not come closer than the prescribed clearances of subrule (1) of this rule.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40823 Compressed gas.

Rule 823. The handling and storage of all compressed gases, except those used for welding and cutting, shall be as prescribed in the Compressed Gas Association Standard, P-1--2000, Safe Handling of Compressed Gases in Containers, ninth edition, which is adopted by reference in R 408.40810.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40831 Disposal of waste materials.

Rule 831. (1) The area onto and through which material is to be dropped shall be completely enclosed with barricades not less than 36 inches or more than 42 inches high and not less than 6 feet back from the opening and area receiving the material. Signs warning of the hazard of falling materials shall be posted on the barricades at each level containing the barricades. Removal of signs shall not be permitted in this lower area until debris handling ceases above.

(2) If material is dropped through more than 1 level, the opening shall be enclosed between the upper and lower levels, or an enclosed chute provided, or the intermediate levels barricaded as prescribed in subrule (1) of this rule. If the drop is more than 40 feet inside a building, then only an enclosed opening or chute shall be used. The chute or enclosure shall extend through the ceiling of the receiving level.

(3) A material chute shall be constructed to withstand any impact load imposed on it without failure.

(4) A material chute, or section of a material chute, at an angle of more than 45 degrees from the horizontal shall be entirely enclosed, except an opening may be provided at or about each floor level for insertion of materials. The opening shall not exceed 48 inches in height measured along the wall of the chute. At all stories below the top floor, the openings shall be kept closed if not in use.

(5) A material chute shall fit a floor or wall opening, or the space between the chute and the floor or wall opening shall be covered.

(6) If material is dumped from mechanical equipment or a wheelbarrow, then a toeboard or bumper not less than 4 inches thick x 6 inches high nominal size shall be secured to the floor at each material chute opening.

(7) A gate capable of withstanding the load imposed on it shall be installed at or near the discharge end of a material chute. A trained employee shall be in charge of opening the gate and loading of trucks.

(8) If the drop is more than 20 feet outside the exterior of the building, then a chute as prescribed in subrules (3) to (6) of this rule shall be used, and extend to within 8 feet of the lower level.

(9) Material, barricades, and chutes shall not be removed until material handling ceases above.

(10) All scrap lumber, waste materials, or rubbish shall be removed from the immediate work area as the work progresses.

(11) Disposal of waste material or debris by burning shall comply with local fire regulations.

(12) All solvent waste, oily rags, and flammable liquids shall be kept in fire resistant covered containers until removed from the worksite.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40832 Rigging equipment.

Rule 832. (1) Rigging equipment for material handling shall be inspected at the time of installation, before each job, and at the beginning of each shift if in use, by an employee qualified to perform this inspection. Defective rigging equipment shall be removed from service.

(2) If not in use, rigging equipment shall be stored in a manner which is not hazardous for an employee.

(3) Rigging equipment, other than a sling, hoisting line, and alloy steel chain, shall not be loaded in excess of its recommended safe working load, as prescribed in tables 1 to 22 in Part 49 Slings, R 408.14901 et seq.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40833 Slings.

Rule 833. All slings used to store or handle material for construction operations shall meet the requirements of Part 49 Slings, R 408.14901 et seq.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 1979 ACS 14, Eff. June 2, 1983; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40834 Wire ropes.

Rule 834. (1) Wire rope shall be taken out of service if any of the following conditions exist:

(a) In running ropes, 6 randomly distributed broken wires in 1 lay or 3 broken wires in 1 strand in 1 lay.

(b) Wear of 1/3 the original diameter of outside individual wires. Kinking, crushing, bird-caging, or any other damage resulting in distortion of the rope structure, except for deformation caused by normal methods of attachment to drums, hooks, shackles, or other accessories.

(c) Evidence of any heat damage from any cause.

(d) Reductions from nominal diameter of more than 1/64-inch for diameters up to and including 5/16-inch, 1/32-inch for diameters 3/8-inch to and including 1/2-inch, 3/64-inch for diameters 9/16-inch to and including 3/4-inch, 1/16-inch for diameters 7/8-inch to 1-1/8-inches inclusive, 3/32-inch for diameters 1-1/4 to 1-1/2 inches inclusive.

(e) In standing ropes, more than 2 broken wires in 1 lay in sections beyond end connections or more than 1 broken wire at an end connection.

- (f) Wire rope shall not be used if, in any length of 8 diameters, the total number of visible broken wires exceeds 10% of the total number of wires, or if the rope shows other signs of excessive wear, corrosion, or defect.
- (2) The defective portion of a wire rope and any areas of deformation caused by normal methods of attachment of a wire rope, removed as provided for in subrule (1) of this rule, shall not be used for other load carrying service.
- (3) A wire rope used for hoisting, lowering, or pulling shall consist of 1 continuous piece without a knot or splice, except an eye splice at the end of a wire rope.
- (4) If wire rope clips are used to form eyes in a wire rope, table 1 shall be followed as to numbers and spacing to be used. The "u" section shall be on the dead end side.
- (5) An eye splice made in any wire rope shall have not less than 4 full tucks.
- (6) A wire rope eye shall be equipped with a thimble if the eye is placed over or around an object with a sharp corner.
- (7) Protruding ends of strands in splices on slings and bridles shall be covered or blunted.
- (8) Shock loading is prohibited.
- (9) Table 1 reads as follows:

NUMBER AND SPACING OF U-BOLT WIRE ROPE CLIPS			
Improved plow steel, rope diameter (inches)	Number of clips		Minimum spacing (inches)
	Drop forged	Other material	
1/2 or less	3	4	3
5/8	3	4	3-3/4
3/4	4	5	4-1/2
7/8	4	5	5-1/4
1	5	6	6
1-1/8	6	6	6-3/4
1-1/4	6	7	7-1/2
1-3/8	7	7	8-1/4
1-1/2	7	8	9

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 1979 ACS 14, Eff. June 2, 1983; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40835 Natural and synthetic fiber rope; specifics.

- Rule 835. (1) A natural or synthetic fiber rope used for hoisting, lowering, or pulling shall consist of 1 continuous piece without a knot or splice, except an eye splice at the end of the rope.
- (2) An eye splice for manila rope shall contain not less than 3 full tucks, and short splices shall contain not less than 6 full tucks, 3 on each side of the splice center line.
- (3) An eye splice for stranded synthetic fiber rope shall contain not less than 4 full tucks, and short splices shall contain not less than 8 full tucks, 4 on each side of the splice center line. An eye splice for other types of synthetic fiber rope shall be made as prescribed by the rope manufacturer.
- (4) An eye splice for natural or synthetic fiber rope shall be of a size to provide an interior angle at the splice of not more than 60 degrees when the eye is placed over the load or support.
- (5) A natural or synthetic fiber rope eye shall be equipped with a thimble if the eye is placed over or around an object with a sharp corner.
- (6) Strand end tails from an eye splice shall not be trimmed flush with the surface of the rope immediately adjacent to the full tucks. This applies to both eye and short splices and all types of fiber rope.
- (a) Tails from an eye splice for a fiber rope less than 1-inch in diameter shall project not less than 6 rope diameters beyond the last full tuck.
- (b) Tails from the eye splice for fiber rope 1-inch or more in diameter shall project not less than 6 inches beyond the last full tuck.
- (c) Projecting tails may be tapered and spliced into the body of the rope using not less than 2 additional tucks, which shall require a tail length of approximately 6 rope diameters beyond the last full tuck or they may be taped or wired down.
- (7) A natural or synthetic rope shall not be used for load carrying service if any of the following apply:
- (a) It is frozen or has been subjected to corrosive chemicals or extreme temperatures.
- (b) It has begun to unravel.
- (c) It has external abrasions, cuts, or broken fibers, decay, burns, softness, or variation in size or roundness.
- (d) It has internal presence of grit, broken fibers, mildew or mold, color change, powdering, or loose fibers.
- (8) Natural or synthetic rope shall not be used if there is exposure to corrosive substances, chemicals, or heat.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 1979 ACS 14, Eff. June 2, 1983; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40836 Hooks, shackles, and other accessories.

Rule 836. (1) A hook, ring, oblong link, pear-shaped link, welded or mechanical coupling link, or other attachment, when used with alloy steel chain, shall have a rated capacity equal to the chain or rope to which it is attached, and the load shall not exceed the rated load. Shackles and other accessories shall have a rated capacity equal to or greater than the load to which it is attached.

(2) A hook shall be discarded if either of the following applies:

(a) The throat opening is more than 15% greater than the manufactured size.

(b) The hook has more than 10 degrees twist from a vertical center line drawn through the hook center.

(3) A closed hook shall be used if there is a probability of the load becoming disengaged.

(4) Special custom designed grabs, hooks, clamps, and other lifting accessories, for such units as modular panels, prefabricated structures and similar materials, shall be marked to indicate the safe working loads and shall be proof tested to 125% of their rated load.

(5) A job or shop hook and link, or a makeshift fastener, formed from a bolt, rod, or other such accessories, shall not be used, unless tested in accordance to subrule (4) of this rule.

(6) A shackle and connecting pin, and other accessories, shall be discarded if the diameter is reduced by more than 10%.

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40837 Chains.

Rule 837. (1) Chains used for material handling shall be made of alloy steel.

(2) A welded alloy steel chain shall have a permanently affixed tag showing the size, grade, rated capacity, and manufacturer's name.

(3) If wear at any point of any chain link is more than that shown in table 2, then the chain shall be repaired or replaced. The repair shall return the chain to its rated capacity.

(4) A load-carrying chain shall be repaired only by the manufacturer.

MAXIMUM ALLOWABLE WEAR AT ANY POINT OF LINK	
Chain Size (inches)	Maximum Allowable Wear (inch)
1/4	3/64
3/8	5/64
1/2	7/64
5/8	9/64
3/4	5/32
7/8	11/64
1	3/16
1-1/8	7/32
1-1/4	1/4
1-3/8	9/32
1-1/2	5/16
1-3/4	11/32

History: 1954 ACS 99, Eff. Apr. 12, 1979; 1979 AC; 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40840 Shackles and hooks safe working loads.

Rule 840. (1) Table 3 shall be used to determine the safe working loads of various sizes of shackles, except that higher safe working loads are permissible if recommended by the manufacturer for specific, identifiable products, provided that a safety factor of not less than 5 is maintained.

(2) The manufacturer's recommendations shall be followed in determining the safe working loads of the various sizes and types of specific and identifiable hooks. All hooks for which manufacturer's recommendations are not available shall be tested to twice the intended safe working load before they are initially put into use. The employer shall maintain a record of the dates and results of such tests.

SAFE WORKING LOADS FOR SHACKLES		
In Tons (2,000 Pounds)		
Material Size (inches)	Pin Diameter (inches)	Safe Working Load
1/2	5/8	1.4

**Annual Administrative Code Supplement
2004 Edition**

5/8	3/4	2.2
3/4	7/8	3.2
7/8	1	4.3
1	1 1/8	5.6
1 1/8	1 1/4	6.7
1 1/4	1 3/8	8.2
1 3/8	1 1/2	10.0
1 1/2	1 5/8	11.9
1 3/4	2	16.2
2	2 1/4	21.2

History: 2004 MR 21, Eff. Nov. 16, 2004.

R 408.40841 Synthetic webbing (nylon, polyester, and polypropylene).

(1) The employer shall have each synthetic web sling marked or coded to show all of the following:

(a) Name or trademark of manufacturer.

(b) Rated capacities for the type of hitch.

(c) Type of material.

(2) Rated capacity shall not be exceeded.

(3) Synthetic webbing shall be of uniform thickness and width and selvage edges shall not be split from the webbing's width.

History: 2004 MR 21, Eff. Nov. 16, 2004.

PART 9. EXCAVATION, TRENCHING, AND SHORING

R 408.40925

Source: 1993 AACS.

R 408.40932

Source: 1993 AACS.

R 408.40934

Source: 1993 AACS.

R 408.40943

Source: 1993 AACS.

R 408.40944

Source: 1993 AACS.

R 408.40945

Source: 1993 AACS.

R 408.40946

Source: 1988 AACS.

R 408.40951

Source: 1996 AACS.

R 408.40953

Source: 1993 AACS.

PART 10. LIFTING AND DIGGING EQUIPMENT

R 408.41001

Source: 1997 AACS.

R 408.41001a

Source: 1998-2000 AACS.

R 408.41002a
Source: 1995 AACS.

R 408.41003a
Source: 1995 AACS.

R 408.41004
Source: 1997 AACS.

R 408.41004a
Source: 1995 AACS.

CRANES, DERRICKS, AND EXCAVATION EQUIPMENT

R 408.41005a
Source: 1998-2000 AACS.

R 408.41006a
Source: 1998-2000 AACS.

R 408.41007a
Source: 1995 AACS.

R 408.41008a
Source: 1995 AACS.

R 408.41009a
Source: 1995 AACS.

R 408.41010a
Source: 1995 AACS.

R 408.41011a
Source: 1995 AACS.

R 408.41012a
Source: 1995 AACS.

R 408.41013a
Source: 1995 AACS.

R 408.41014a
Source: 1998-2000 AACS.

R 408.41015a
Source: 1998-2000 AACS.

R 408.41016a
Source: 1998-2000 AACS.

R 408.41017a
Source: 1995 AACS.

R 408.41018a
Source: 1998-2000 AACS.

R 408.41019a
Source: 1995 AACS.

R 408.41020a
Source: 1998-2000 AACS.

R 408.41021a
Source: 1995 AACS.

R 408.41022a
Source: 1995 AACS.

R 408.41023a
Source: 1998-2000 AACS.

R 408.41024
Source: 1997 AACS.

R 408.41024a
Source: 1995 AACS.

R 408.41025
Source: 1997 AACS.

R 408.41025a
Source: 1998-2000 AACS.

R 408.41026
Source: 1997 AACS.

R 408.41026a
Source: 1995 AACS.

R 408.41027
Source: 1997 AACS.

R 408.41027a
Source: 1995 AACS.

R 408.41028
Source: 1997 AACS.

R 408.41028a
Source: 1998-2000 AACS.

R 408.41029a
Source: 1995 AACS.

R 408.41030
Source: 1997 AACS.

R 408.41030a
Source: 1995 AACS.

R 408.41031
Source: 1997 AACS.

R 408.41031a
Source: 1998-2000 AACS.

R 408.41032a
Source: 1995 AACS.

R 408.41033a
Source: 1998-2000 AACS.

R 408.41051a
Source: 1995 AACS.

MATERIAL AND PERSONNEL HOISTS (ELEVATORS)

R 408.41065a
Source: 1998-2000 AACS.

R 408.41066a
Source: 1995 AACS.

R 408.41067a
Source: 1995 AACS.

R 408.41068a
Source: 1995 AACS.

R 408.41069a
Source: 1995 AACS.

R 408.41070a
Source: 1995 AACS.

R 408.41070b
Source: 1998-2000 AACS.

PERSONNEL HOISTS

R 408.41071a
Source: 1998-2000 AACS.

R 408.41072a
Source: 1998-2000 AACS.

R 408.41073a
Source: 1995 AACS.

R 408.41074a
Source: 1995 AACS.

R 408.41075a
Source: 1995 AACS.

BASE-MOUNTED DRUM PERSONNEL HOISTS

R 408.41077a
Source: 1998-2000 AACS.

R 408.41099a
Source: 1995 AACS.

PART 11. FIXED AND PORTABLE LADDERS

R 408.41101
Source: 1993 AACS.

R 408.41103
Source: 1993 AACS.

R 408.41104
Source: 1993 AACS.

R 408.41105
Source: 1993 AACS.

R 408.41111
Source: 1993 AACS.

R 408.41112
Source: 1993 AACS.

R 408.41113
Source: 1993 AACS.

R 408.41115
Source: 1993 AACS.

R 408.41121
Source: 1993 AACS.

R 408.41122
Source: 1993 AACS.

R 408.41123
Source: 1993 AACS.

R 408.41124
Source: 1993 AACS.

R 408.41125
Source: 1993 AACS.

R 408.41126
Source: 1993 AACS.

R 408.41127
Source: 1996 AACS.

R 408.41128
Source: 1990 AACS.

R 408.41129
Source: 1990 AACS.

R 408.41130
Source: 1990 AACS.

R 408.41131
Source: 1990 AACS.

R 408.41132
Source: 1990 AACS.

R 408.41133
Source: 1990 AACS.

R 408.41140
Source: 1990 AACS.

PART 12. SCAFFOLDS AND SCAFFOLD PLATFORMS

R 408.41201
Source: 1998-2000 AACS.

R 408.41203
Source: 1998-2000 AACS.

R 408.41204
Source: 1998-2000 AACS.

R 408.41205
Source: 1998-2000 AACS.

R 408.41206
Source: 1998-2000 AACS.

R 408.41207
Source: 1998-2000 AACS.

R 408.41208
Source: 1998-2000 AACS.

R 408.41209
Source: 1998-2000 AACS.

R 408.41210
Source: 1998-2000 AACS.

R 408.41211
Source: 1998-2000 AACS.

R 408.41212
Source: 1998-2000 AACS.

R 408.41213
Source: 1998-2000 AACS.

R 408.41214
Source: 1998-2000 AACS.

R 408.41215
Source: 1981 AACS.

R 408.41216
Source: 1981 AACS.

R 408.41217
Source: 1998-2000 AACS.

R 408.41218
Source: 1981 AACS.

R 408.41219
Source: 1998-2000 AACS.

FLOOR AND GROUND SUPPORTED SCAFFOLDS

R 408.41221
Source: 1998-2000 AACS.

R 408.41222
Source: 1981 AACS.

R 408.41223
Source: 1998-2000 AACS.

R 408.41224
Source: 1998-2000 AACS.

R 408.41225
Source: 1981 AACS.

R 408.41226
Source: 1981 AACS.

R 408.41227
Source: 1998-2000 AACS.

R 408.41228
Source: 1981 AACS.

R 408.41229
Source: 1998-2000 AACS.

SUSPENDED SCAFFOLDS

R 408.41231
Source: 1998-2000 AACS.

R 408.41232
Source: 1990 AACS.

R 408.41233
Source: 1998-2000 AACS.

R 408.41234
Source: 1998-2000 AACS.

R 408.41235
Source: 1998-2000 AACS.

R 408.41236
Source: 1998-2000 AACS.

R 408.41237
Source: 1996 AACS.

R 408.41238
Source: 1996 AACS.

R 408.41239
Source: 1998-2000 AACS.

R 408.41240
Source: 1998-2000 AACS.

MOBILE SCAFFOLDS

R 408.41241
Source: 1998-2000 AACS.

R 408.41242
Source: 1997 AACS.

R 408.41243
Source: 1997 AACS.

R 408.41244
Source: 1997 AACS.

R 408.41245
Source: 1997 AACS.

R 408.41246
Source: 1997 AACS.

R 408.41251
Source: 1998-2000 AACS.

AUXILIARY SUPPORTED SCAFFOLDS

R 408.41252
Source: 1997 AACS.

R 408.41253
Source: 1981 AACS.

R 408.41254
Source: 1981 AACS.

R 408.41255
Source: 1990 AACS.

R 408.41256
Source: 1981 AACS.

R 408.41256a
Source: 1998-2000 AACS.

R 408.41256b
Source: 1998-2000 AACS.

R 408.41257
Source: 1997 AACS.

R 408.41258
Source: 1997 AACS.

R 408.41259
Source: 1997 AACS.

R 408.41260
Source: 1997 AACS.

WIRE, FIBER, AND SYNTHETIC ROPE

R 408.41261
Source: 1998-2000 AACS.

R 408.41262
Source: 1981 AACS.

R 408.41263
Source: 1981 AACS.

R 408.41264
Source: 1998-2000 AACS.

PART 13. MOBILE EQUIPMENT

R 408.41301
Source: 1998-2000 AACS.

PART 14. TUNNELS, SHAFTS, CAISSONS, AND COFFERDAMS **GENERAL PROVISIONS**

R 408.41401
Source: 2003 AACS.

R 408.41405
Source: 2003 AACS.

R 408.41410
Source: 2003 AACS.

R 408.41454
Source: 2003 AACS.

R 408.41455
Source: 2003 AACS.

R 408.41456
Source: 2003 AACS.

R 408.41461
Source: 2003 AACS.

R 408.41462
Source: 2003 AACS.

R 408.41463
Source: 2003 AACS.

R 408.41464
Source: 2003 AACS.

R 408.41465
Source: 2003 AACS.

R 408.41466
Source: 2003 AACS.

R 408.41467
Source: 2003 AACS.

TUNNELS AND SHAFTS

R 408.41471
Source: 2003 AACS.

R 408.41472
Source: 2003 AACS.

R 408.41474
Source: 2003 AACS.

R 408.41475
Source: 2003 AACS.

R 408.41476
Source: 2003 AACS.

R 408.41477
Source: 2003 AACS.

R 408.41478
Source: 2003 AACS.

R 408.41479
Source: 2003 AACS.

COFFERDAMS AND CAISSONS

R 408.41481
Source: 2003 AACS.

R 408.41482
Source: 1996 AACS.

R 408.41483
Source: 2003 AACS.

PART 16. POWER TRANSMISSION AND DISTRIBUTION

R 408.41601
Source: 1982 AACS.

R 408.41625
Source: 1982 AACS.

R 408.41626
Source: 1982 AACS.

R 408.41627
Source: 1985 AACCS.

R 408.41628
Source: 1982 AACCS.

R 408.41629
Source: 1982 AACCS.

R 408.41630
Source: 1985 AACCS.

R 408.41631
Source: 1982 AACCS.

R 408.41632
Source: 1985 AACCS.

R 408.41633
Source: 1985 AACCS.

R 408.41634
Source: 1996 AACCS.

R 408.41635
Source: 1982 AACCS.

R 408.41636
Source: 1982 AACCS.

R 408.41637
Source: 1982 AACCS.

R 408.41638
Source: 1982 AACCS.

R 408.41639
Source: 1982 AACCS.

R 408.41640
Source: 1982 AACCS.

R 408.41641
Source: 1982 AACCS.

R 408.41642
Source: 1982 AACCS.

R 408.41643
Source: 1982 AACCS.

R 408.41644
Source: 1985 AACCS.

R 408.41645
Source: 1985 AACCS.

R 408.41646
Source: 1982 AACCS.

R 408.41647
Source: 1985 AACS.

R 408.41648
Source: 1985 AACS.

R 408.41649
Source: 1985 AACS.

R 408.41650
Source: 1982 AACS.

R 408.41651
Source: 1982 AACS.

R 408.41652
Source: 1982 AACS.

R 408.41653
Source: 1982 AACS.

R 408.41654
Source: 1982 AACS.

R 408.41655
Source: 1982 AACS.

R 408.41656
Source: 1982 AACS.

R 408.41657
Source: 1982 AACS.

R 408.41658
Source: 1982 AACS.

PART 17. ELECTRICAL INSTALLATIONS

R 408.41733
Source: 1982 AACS.

PART 18. FIRE PROTECTION AND PREVENTION

R 408.41801
Source: 2002 AACS.

R 408.41802
Source: 2002 AACS.

R 408.41836
Source: 2002 AACS.

R 408.41837
Source: 2002 AACS.

R 408.41838
Source: 2002 AACS.

R 408.41841
Source: 2002 AACCS.

R 408.41842
Source: 2002 AACCS.

R 408.41850
Source: 1995 AACCS.

R 408.41851
Source: 2002 AACCS.

R 408.41852
Source: 2002 AACCS.

R 408.41853
Source: 2002 AACCS.

R 408.41854
Source: 1983 AACCS.

R 408.41855
Source: 1983 AACCS.

R 408.41856
Source: 1983 AACCS.

R 408.41861
Source: 2002 AACCS.

R 408.41862
Source: 1983 AACCS.

R 408.41863
Source: 2002 AACCS.

R 408.41864
Source: 2002 AACCS.

R 408.41865
Source: 1983 AACCS.

R 408.41866
Source: 2002 AACCS.

R 408.41867
Source: 1983 AACCS.

R 408.41868
Source: 2002 AACCS.

R 408.41869
Source: 2002 AACCS.

R 408.41871
Source: 2002 AACCS.

R 408.41872

Source: 1983 AACS.

R 408.41873

Source: 1983 AACS.

R 408.41874

Source: 1983 AACS.

R 408.41875

Source: 2002 AACS.

R 408.41876

Source: 2002 AACS.

R 408.41877

Source: 2002 AACS.

R 408.41878

Source: 1983 AACS.

R 408.41879

Source: 1983 AACS.

R 408.41881

Source: 1983 AACS.

R 408.41882

Source: 1983 AACS.

R 408.41883

Source: 1983 AACS.

R 408.41884

Source: 2002 AACS.

PART 19. TOOLS

R 408.41926

Source: 1989 AACS.

R 408.41927

Source: 1989 AACS.

R 408.41928

Source: 1989 AACS.

R 408.41929

Source: 1989 AACS.

R 408.41932

Source: 1989 AACS.

R 408.41933

Source: 1989 AACS.

R 408.41934

Source: 1989 AACS.

R 408.41935

Source: 1995 AACS.

R 408.41936

Source: 1982 AACS.

R 408.41937

Source: 1989 AACS.

R 408.41943

Source: 1982 AACS.

R 408.41944

Source: 1997 AACS.

R 408.41945

Source: 1997 AACS.

R 408.41949

Source: 1997 AACS.

R 408.41951

Source: 1989 AACS.

R 408.41955

Source: 1989 AACS.

R 408.41957

Source: 1989 AACS.

R 408.41958

Source: 1997 AACS.

R 408.41959

Source: 1989 AACS.

R 408.41960

Source: 1989 AACS.

R 408.41961

Source: 1995 AACS.

R 408.41962

Source: 1989 AACS.

R 408.41963

Source: 1997 AACS.

R 408.41964

Source: 1989 AACS.

R 408.41966

Source: 1995 AACS.

R 408.41970

Source: 1989 AACS.

R 408.41971

Source: 1989 AACS.

R 408.41972
Source: 1989 AACS.

R 408.41973
Source: 1989 AACS.

R 408.41974
Source: 1989 AACS.

R 408.41975
Source: 1989 AACS.

R 408.41976
Source: 1989 AACS.

R 408.41977
Source: 1989 AACS.

R 408.41978
Source: 1989 AACS.

R 408.41979
Source: 1989 AACS.

R 408.41980
Source: 1995 AACS.

PART 20. DEMOLITION

R 408.42001
Source: 1981 AACS.

R 408.42023
Source: 1998-2000 AACS.

R 408.42031
Source: 1998-2000 AACS.

R 408.42032
Source: 1996 AACS.

R 408.42033
Source: 1981 AACS.

R 408.42034
Source: 1981 AACS.

R 408.42041
Source: 1996 AACS.

R 408.42043
Source: 1981 AACS.

R 408.42044
Source: 1981 AACS.

R 408.42045
Source: 1981 AACS.

R 408.42046
Source: 1981 AACS.

R 408.42047
Source: 1981 AACS.

PART 21. GUARDING OF WALKING AND WORKING AREAS

R 408.42101
Source: 1996 AACS.

R 408.42121
Source: 1996 AACS.

R 408.42122
Source: 1996 AACS.

R 408.42123
Source: 1996 AACS.

R 408.42127
Source: 1993 AACS.

R 408.42128
Source: 1993 AACS.

R 408.42129
Source: 1993 AACS.

R 408.42130
Source: 1993 AACS.

R 408.42131
Source: 1996 AACS.

R 408.42140
Source: 1997 AACS.

R 408.42141
Source: 1997 AACS.

R 408.42142
Source: 1997 AACS.

R 408.42143
Source: 1997 AACS.

R 408.42144
Source: 1997 AACS.

R 408.42145
Source: 1996 AACS.

R 408.42146
Source: 1997 AACS.

R 408.42147
Source: 1997 AACS.

R 408.42148
Source: 1997 AACS.

R 408.42149
Source: 1989 AACS.

R 408.42150
Source: 1996 AACS.

R 408.42151
Source: 1997 AACS.

R 408.42152
Source: 1997 AACS.

R 408.42153
Source: 1997 AACS.

R 408.42154
Source: 1989 AACS.

R 408.42155
Source: 1993 AACS.

R 408.42156
Source: 1993 AACS.

R 408.42157
Source: 1993 AACS.

R 408.42158
Source: 1997 AACS.

R 408.42159
Source: 1989 AACS.

R 408.42160
Source: 1996 AACS.

PART 22. SIGNALS, SIGNS, TAGS, AND BARRICADES

R 408.42201
Source: 2001 AACS.

R 408.42210
Source: 1997 AACS.

R 408.42211
Source: 2001 AACS.

R 408.42213
Source: 2001 AACS.

R 408.42221
Source: 2001 AACS.

R 408.42222
Source: 2001 AACS.

R 408.42223
Source: 2001 AACS.

R 408.42224
Source: 2001 AACS.

R 408.42225
Source: 2001 AACS.

R 408.42229
Source: 2001 AACS.

R 408.42230
Source: 2001 AACS.

R 408.42231
Source: 1995 AACS.

R 408.42232
Source: 1997 AACS.

R 408.42233
Source: 2001 AACS.

R 408.42238
Source: 1995 AACS.

R 408.42243
Source: 1995 AACS.

PART 24. TAR KETTLES

R 408.42401
Source: 1991 AACS.

R 408.42403
Source: 1981 AACS.

R 408.42404
Source: 1981 AACS.

R 408.42407
Source: 1996 AACS.

PART 25. CONCRETE CONSTRUCTION

R 408.42501
Source: 2003 AACS.

R 408.42502
Source: 2003 AACS.

R 408.42503
Source: 2003 AACS.

R 408.42516
Source: 2003 AACS.

R 408.42517
Source: 2003 AACS.

R 408.42518
Source: 2003 AACS.

R 408.42519
Source: 2003 AACS.

R 408.42520
Source: 2003 AACS.

R 408.42521
Source: 2003 AACS.

R 408.42522
Source: 2003 AACS.

R 408.42523
Source: 2003 AACS.

R 408.42524
Source: 1989 AACS.

R 408.42525
Source: 1980 AACS.

R 408.42526
Source: 1980 AACS.

R 408.42527
Source: 2003 AACS.

R 408.42528
Source: 1989 AACS.

R 408.42531
Source: 1989 AACS.

R 408.42532
Source: 2003 AACS.

R 408.42533
Source: 2003 AACS.

R 408.42534
Source: 1989 AACS.

R 408.42535
Source: 2003 AACS.

PART 26. STEEL AND PRECAST ERECTION

R 408.42601
Source: 2002 AACS.

R 408.42602

Source: 2002 AACCS.

R 408.42604

Source: 2002 AACCS.

R 408.42605

Source: 2002 AACCS.

Source: 2002 AACCS.

R 408.42607

Source: 2002 AACCS.

R 408.42608

Source: 2002 AACCS.

R 408.42609

Source: 2002 AACCS.

R 408.42610

Source: 2002 AACCS.

R 408.42611

Source: 1997 AACCS.

R 408.42612

Source: 1997 AACCS.

R 408.42613

Source: 1997 AACCS.

R 408.42614

Source: 2002 AACCS.

R 408.42615

Source: 2002 AACCS.

R 408.42616

Source: 2002 AACCS.

R 408.42617

Source: 2002 AACCS.

R 408.42618

Source: 2002 AACCS.

R 408.42620

Source: 2002 AACCS.

R 408.42621

Source: 2002 AACCS.

R 408.42622

Source: 2002 AACCS.

R 408.42623

Source: 2002 AACCS.

R 408.42626

Source: 2002 AACS.

R 408.42628

Source: 2002 AACS.

R 408.42629

Source: 2002 AACS.

R 408.42630

Source: 2002 AACS.

R 408.42632

Source: 2002 AACS.

R 408.42634

Source: 2002 AACS.

R 408.42636

Source: 2002 AACS.

R 408.42638

Source: 2002 AACS.

R 408.42640

Source: 2002 AACS.

R 408.42642

Source: 2002 AACS.

R 408.42643

Source: 2002 AACS.

R 408.42644

Source: 2002 AACS.

R 408.42645

Source: 2002 AACS.

R 408.42646

Source: 2002 AACS.

R 408.42648

Source: 2002 AACS.

R 408.42650

Source: 2002 AACS.

R 408.42651

Source: 2002 AACS.

R 408.42653

Source: 2002 AACS.

R 408.42654

Source: 2002 AACS.

R 408.42655

Source: 2002 AACS.

R 408.42656
Source: 2002 AACS.

PART 27. BLASTING AND USE OF EXPLOSIVES

R 408.42701
Source: 1982 AACS.

R 408.42724
Source: 1982 AACS.

R 408.42725
Source: 1982 AACS.

R 408.42726
Source: 1982 AACS.

R 408.42727
Source: 1982 AACS.

R 408.42728
Source: 1982 AACS.

R 408.42731
Source: 1982 AACS.

R 408.42732
Source: 1982 AACS.

R 408.42733
Source: 1982 AACS.

R 408.42734
Source: 1982 AACS.

R 408.42735
Source: 1988 AACS.

R 408.42737
Source: 1982 AACS.

R 408.42741
Source: 1994 AACS.

R 408.42742
Source: 1982 AACS.

R 408.42743
Source: 1982 AACS.

R 408.42744
Source: 1982 AACS.

R 408.42751
Source: 1982 AACS.

R 408.42752
Source: 1982 AACS.

R 408.42753
Source: 1982 AACS.

R 408.42754
Source: 1982 AACS.

R 408.42755
Source: 1982 AACS.

R 408.42756
Source: 1982 AACS.

R 408.42757
Source: 1982 AACS.

R 408.42758
Source: 1982 AACS.

R 408.42759
Source: 1982 AACS.

R 408.42761
Source: 1982 AACS.

R 408.42762
Source: 1982 AACS.

R 408.42763
Source: 1982 AACS.

R 408.42799
Source: 1988 AACS.

PART 30. TELECOMMUNICATIONS

R 408.43005
Source: 1982 AACS.

PART 31. DIVING OPERATIONS

R 408.43106
Source: 1994 AACS.

R 408.43109
Source: 1994 AACS.

R 408.43121
Source: 1994 AACS.

R 408.43155
Source: 1994 AACS.

R 408.43156
Source: 1994 AACS.

R 408.43162
Source: 1994 AACS.

PART 32. AERIAL WORK PLATFORMS

R 408.43201
Source: 1992 AACS.

R 408.43202
Source: 1998-2000 AACS.

R 408.43203
Source: 1992 AACS.

R 408.43204
Source: 1992 AACS.

R 408.43205
Source: 1998-2000 AACS.

R 408.43206
Source: 1998-2000 AACS.

R 408.43207
Source: 1992 AACS.

R 408.43208
Source: 1992 AACS.

R 408.43209
Source: 1998-2000 AACS.

R 408.43210
Source: 1992 AACS.

PART 42. HAZARD COMMUNICATION

R 408.44201
Source: 1995 AACS.

R 408.44202
Source: 1995 AACS.

R 408.44203
Source: 1995 AACS.

PART 45. FALL PROTECTION

R 408.44501
Source: 1996 AACS.

R 408.44502
Source: 1996 AACS.

PART 51. AGRICULTURAL TRACTORS

R 408.45101
Source: 1997 AACS.

PART 91. PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS

R 408.49101
Source: 1998-2000 AACS.

DEPARTMENT OF EDUCATION

**VOCATIONAL-TECHNICAL EDUCATION SERVICE
STANDARDS FOR ISSUANCE OF WORK PERMITS**

R 409.1
Source: 1980 AACS.

R 409.2
Source: 1980 AACS.

R 409.3
Source: 1980 AACS.

R 409.4
Source: 1980 AACS.

R 409.5
Source: 1980 AACS.

R 409.6
Source: 1980 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES
DIRECTOR'S OFFICE
WORKER'S COMPENSATION APPELLATE COMMISSION
ADMINISTRATIVE APPELLATE PROCEDURE**

R 418.1
Source: 1991 AACS.

R 418.2
Source: 1991 AACS.

R 418.3
Source: 1991 AACS.

R 418.4
Source: 1991 AACS.

R 418.5
Source: 1991 AACS.

R 418.6
Source: 1991 AACS.

R 418.7
Source: 1991 AACS.

R 418.8
Source: 1991 AACS.

WORKER'S COMPENSATION BOARD OF MAGISTRATES

R 418.51
Source: 1996 AACS.

R 418.52
Source: 1996 AACS.

R 418.53

Source: 1996 AACS.

R 418.54

Source: 1996 AACS.

R 418.55

Source: 1996 AACS.

R 418.56

Source: 1996 AACS.

R 418.57

Source: 1996 AACS.

R 418.58

Source: 1996 AACS.

**BUREAU OF WORKER'S DISABILITY COMPENSATION
WORKER'S COMPENSATION HEALTH CARE SERVICES**

PART 1. GENERAL PROVISIONS

R 418.101

Source: 1998-2000 AACS.

R 418.102

Source: 1998-2000 AACS.

R 418.103

Source: 1998-2000 AACS.

R 418.104

Source: 1998-2000 AACS.

R 418.105

Source: 1998-2000 AACS.

R 418.106

Source: 1998-2000 AACS.

R 418.107

Source: 1998-2000 AACS.

R 418.108

Source: 1998-2000 AACS.

R 418.109

Source: 1998-2000 AACS.

R 418.110

Source: 1998-2000 AACS.

R 418.111

Source: 1998-2000 AACS.

R 418.112

Source: 1998-2000 AACS.

R 418.113
Source: 1998-2000 AACS.

R 418.114
Source: 1998-2000 AACS.

R 418.115
Source: 1998-2000 AACS.

R 418.116
Source: 1998-2000 AACS.

R 418.117
Source: 1998-2000 AACS.

R 418.118
Source: 1998-2000 AACS.

R 418.119
Source: 1998-2000 AACS.

R 418.120
Source: 1998-2000 AACS.

R 418.121
Source: 1998-2000 AACS.

R 418.122
Source: 1998-2000 AACS.

R 418.123
Source: 1998-2000 AACS.

R 418.124
Source: 1998-2000 AACS.

R 418.125
Source: 1998-2000 AACS.

R 418.126
Source: 1998-2000 AACS.

R 418.127
Source: 1998-2000 AACS.

R 418.128
Source: 1998-2000 AACS.

R 418.129
Source: 1998-2000 AACS.

R 418.130
Source: 1998-2000 AACS.

R 418.131
Source: 1998-2000 AACS.

R 418.132

Source: 1998-2000 AACS.

PART 2. MEDICINE AND EVALUATION AND MANAGEMENT SERVICES

R 418.201

Source: 1998-2000 AACS.

R 418.202

Source: 1998-2000 AACS.

R 418.203

Source: 1998-2000 AACS.

R 418.204

Source: 1998-2000 AACS.

R 418.205

Source: 1998-2000 AACS.

R 418.206

Source: 1998-2000 AACS.

R 418.207

Source: 1998-2000 AACS.

R 418.208

Source: 1998-2000 AACS.

R 418.209

Source: 1998-2000 AACS.

R 418.210

Source: 1998-2000 AACS.

R 418.211

Source: 1998-2000 AACS.

R 418.212

Source: 1998-2000 AACS.

R 418.213

Source: 1998-2000 AACS.

R 418.214

Source: 1998-2000 AACS.

R 418.215

Source: 1998-2000 AACS.

R 418.216

Source: 1998-2000 AACS.

PART 3. ANESTHESIA

R 418.301

Source: 1998-2000 AACS.

R 418.302

Source: 1998-2000 AACS.

R 418.303
Source: 1998-2000 AACS.

R 418.304
Source: 1998-2000 AACS.

R 418.305
Source: 1998-2000 AACS.

R 418.306
Source: 1998-2000 AACS.

R 418.307
Source: 1998-2000 AACS.

R 418.308
Source: 1998-2000 AACS.

R 418.309
Source: 1998-2000 AACS.

PART 4. SURGERY

R 418.401
Source: 1998-2000 AACS.

R 418.402
Source: 1998-2000 AACS.

R 418.403
Source: 1998-2000 AACS.

R 418.404
Source: 1998-2000 AACS.

R 418.405
Source: 1998-2000 AACS.

R 418.406
Source: 1998-2000 AACS.

R 418.407
Source: 1998-2000 AACS.

R 418.408
Source: 1998-2000 AACS.

R 418.409
Source: 1998-2000 AACS.

R 418.410
Source: 1998-2000 AACS.

R 418.411
Source: 1998-2000 AACS.

R 418.412

Source: 1998-2000 AACS.

R 418.413

Source: 1998-2000 AACS.

R 418.414

Source: 1998-2000 AACS.

R 418.415

Source: 1998-2000 AACS.

R 418.416

Source: 1998-2000 AACS.

R 418.417

Source: 1998-2000 AACS.

R 418.418

Source: 1998-2000 AACS.

PART 5. RADIOLOGY, RADIATION THERAPY, AND NUCLEAR MEDICINE

R 418.501

Source: 1998-2000 AACS.

R 418.502

Source: 1998-2000 AACS.

R 418.503

Source: 1998-2000 AACS.

R 418.504

Source: 1998-2000 AACS.

R 418.505

Source: 1998-2000 AACS.

R 418.506

Source: 1998-2000 AACS.

R 418.507

Source: 1998-2000 AACS.

R 418.508

Source: 1998-2000 AACS.

R 418.509

Source: 1998-2000 AACS.

PART 6. PATHOLOGY AND LABORATORY

R 418.601

Source: 1998-2000 AACS.

R 418.602

Source: 1998-2000 AACS.

R 418.603

Source: 1998-2000 AACS.

R 418.604
Source: 1998-2000 AACS.

R 418.605
Source: 1998-2000 AACS.

R 418.606
Source: 1998-2000 AACS.

R 418.607
Source: 1998-2000 AACS.

R 418.608
Source: 1998-2000 AACS.

R 418.609
Source: 1998-2000 AACS.

R 418.610
Source: 1998-2000 AACS.

R 418.611
Source: 1998-2000 AACS.

R 418.612
Source: 1998-2000 AACS.

PART 7. DENTAL

R 418.701
Source: 1998-2000 AACS.

R 418.702
Source: 1998-2000 AACS.

R 418.703
Source: 1998-2000 AACS.

R 418.704
Source: 1998-2000 AACS.

R 418.705
Source: 1998-2000 AACS.

PART 8. AMBULANCE SERVICE

R 418.801
Source: 1998-2000 AACS.

R 418.802
Source: 1998-2000 AACS.

PART 9. HOME HEALTH AGENCY

R 418.901
Source: 1998-2000 AACS.

R 418.902
Source: 1998-2000 AACS.

R 418.903
Source: 1998-2000 AACS.

R 418.904
Source: 1998-2000 AACS.

R 418.905
Source: 1998-2000 AACS.

PART 10. PHARMACY AND MEDICAL SUPPLY SERVICE

R 418.1001
Source: 1998-2000 AACS.

R 418.1002
Source: 1998-2000 AACS.

R 418.1003
Source: 1998-2000 AACS.

R 418.1004
Source: 1998-2000 AACS.

R 418.1005
Source: 1998-2000 AACS.

R 418.1006
Source: 1998-2000 AACS.

R 418.1007
Source: 1998-2000 AACS.

PART 11. OCCUPATIONAL THERAPY AND PHYSICAL THERAPY

R 418.1101
Source: 1998-2000 AACS.

R 418.1102
Source: 1998-2000 AACS.

R 418.1103
Source: 1998-2000 AACS.

R 418.1104
Source: 1998-2000 AACS.

R 418.1105
Source: 1998-2000 AACS.

R 418.1106
Source: 1998-2000 AACS.

PART 12. ORTHOTIC AND PROSTHETIC EQUIPMENT

R 418.1201

Source: 1998-2000 AACS.

R 418.1202

Source: 1998-2000 AACS.

R 418.1203

Source: 1998-2000 AACS.

R 418.1204

Source: 1998-2000 AACS.

PART 13. HEARING SERVICE

R 418.1301

Source: 1998-2000 AACS.

R 418.1302

Source: 1998-2000 AACS.

PART 14. VISION AND PROSTHETIC OPTICAL SERVICE

R 418.1401

Source: 1998-2000 AACS.

R 418.1402

Source: 1998-2000 AACS.

PART 15. MISCELLANEOUS SUPPLIER

R 418.1501

Source: 1998-2000 AACS.

R 418.1502

Source: 1998-2000 AACS.

R 418.1503

Source: 1998-2000 AACS.

PART 16. FACILITY SERVICE

R 418.1601

Source: 1998-2000 AACS.

R 418.1602

Source: 1998-2000 AACS.

R 418.1603

Source: 1998-2000 AACS.

R 418.1604

Source: 1998-2000 AACS.

R 418.1605

Source: 1998-2000 AACS.

R 418.1606

Source: 1998-2000 AACS.

R 418.1607
Source: 1998-2000 AACCS.

R 418.1608
Source: 1998-2000 AACCS.

R 418.1609
Source: 1998-2000 AACCS.

R 418.1610
Source: 1998-2000 AACCS.

R 418.1611
Source: 1998-2000 AACCS.

R 418.1612
Source: 1998-2000 AACCS.

R 418.1613
Source: 1998-2000 AACCS.

R 418.1614
Source: 1998-2000 AACCS.

R 418.1615
Source: 1998-2000 AACCS.

R 418.1616
Source: 1998-2000 AACCS.

R 418.1617
Source: 1998-2000 AACCS.

PART 17. TECHNICAL AND PROFESSIONAL HEALTH CARE REVIEW

R 418.1701
Source: 1998-2000 AACCS.

R 418.1702
Source: 1998-2000 AACCS.

R 418.1703
Source: 1998-2000 AACCS.

R 418.1704
Source: 1998-2000 AACCS.

R 418.1705
Source: 1998-2000 AACCS.

R 418.1706
Source: 1998-2000 AACCS.

R 418.1707
Source: 1998-2000 AACCS.

R 418.1708
Source: 1998-2000 AACCS.

PART 18. DATA ACQUISITION FROM CARRIERS, PROVIDERS, AND FACILITIES

R 418.1801

Source: 1998-2000 AACS.

R 418.1802

Source: 1998-2000 AACS.

R 418.1803

Source: 1998-2000 AACS.

R 418.1804

Source: 1998-2000 AACS.

**PART 19. PROCESS FOR RESOLVING DIFFERENCES
BETWEEN CARRIER AND PROVIDER REGARDING BILL**

R 418.1901

Source: 1998-2000 AACS.

R 418.1902

Source: 1998-2000 AACS.

R 418.1903

Source: 1998-2000 AACS.

R 418.1904

Source: 1998-2000 AACS.

R 418.1905

Source: 1998-2000 AACS.

**PART 20. RECONSIDERATION AND APPEAL OF ACTIONS OF
REGARDING HOSPITAL'S MAXIMUM PAYMENT RATIO AND
CERTIFICATION OF CARRIER'S PROFESSIONAL REVIEW PROGRAM**

R 418.2001

Source: 1998-2000 AACS.

R 418.2002

Source: 1998-2000 AACS.

R 418.2003

Source: 1998-2000 AACS.

R 418.2004

Source: 1998-2000 AACS.

R 418.2005

Source: 1998-2000 AACS.

PART 21. PAYMENT

R 418.2101

Source: 1998-2000 AACS.

R 418.2102

Source: 1998-2000 AACCS.

R 418.2103

Source: 1998-2000 AACCS.

R 418.2104

Source: 1998-2000 AACCS.

R 418.2105

Source: 1998-2000 AACCS.

R 418.2106

Source: 1998-2000 AACCS.

R 418.2107

Source: 1998-2000 AACCS.

R 418.2108

Source: 1998-2000 AACCS.

R 418.2109

Source: 1998-2000 AACCS.

R 418.2110

Source: 1998-2000 AACCS.

R 418.2111

Source: 1998-2000 AACCS.

R 418.2112

Source: 1998-2000 AACCS.

R 418.2113

Source: 1998-2000 AACCS.

R 418.2114

Source: 1998-2000 AACCS.

R 418.2115

Source: 1998-2000 AACCS.

R 418.2116

Source: 1998-2000 AACCS.

R 418.2117

Source: 1998-2000 AACCS.

R 418.2118

Source: 1998-2000 AACCS.

R 418.2119

Source: 1998-2000 AACCS.

PART 22. BILLING BY PRACTITIONER OR HEALTH CARE ORGANIZATION

R 418.2201

Source: 1998-2000 AACCS.

R 418.2202

Source: 1998-2000 AACCS.

R 418.2203

Source: 1998-2000 AACCS.

R 418.2204

Source: 1998-2000 AACCS.

R 418.2205

Source: 1998-2000 AACCS.

R 418.2206

Source: 1998-2000 AACCS.

PART 23. FEE SCHEDULE

R 418.2301

Source: 1998-2000 AACCS.

R 418.2302

Source: 1998-2000 AACCS.

R 418.2303

Source: 1998-2000 AACCS.

R 418.2304

Source: 1998-2000 AACCS.

R 418.2305

Source: 1998-2000 AACCS.

R 418.2306

Source: 1998-2000 AACCS.

R 418.2307

Source: 1998-2000 AACCS.

R 418.2308

Source: 1998-2000 AACCS.

R 418.2308a

Source: 1998-2000 AACCS.

R 418.2309

Source: 1998-2000 AACCS.

R 418.2310

Source: 1998-2000 AACCS.

R 418.2311

Source: 1998-2000 AACCS.

R 418.2312

Source: 1998-2000 AACCS.

R 418.2313

Source: 1998-2000 AACCS.

R 418.2314
Source: 1998-2000 AACS.

R 418.2315
Source: 1998-2000 AACS.

R 418.2316
Source: 1998-2000 AACS.

R 418.2317
Source: 1998-2000 AACS.

R 418.2318
Source: 1998-2000 AACS.

R 418.2319
Source: 1998-2000 AACS.

R 418.2320
Source: 1998-2000 AACS.

R 418.2321
Source: 1998-2000 AACS.

R 418.2322
Source: 1998-2000 AACS.

R 418.2323
Source: 1998-2000 AACS.

R 418.2324
Source: 1998-2000 AACS.

R 418.2325
Source: 1998-2000 AACS.